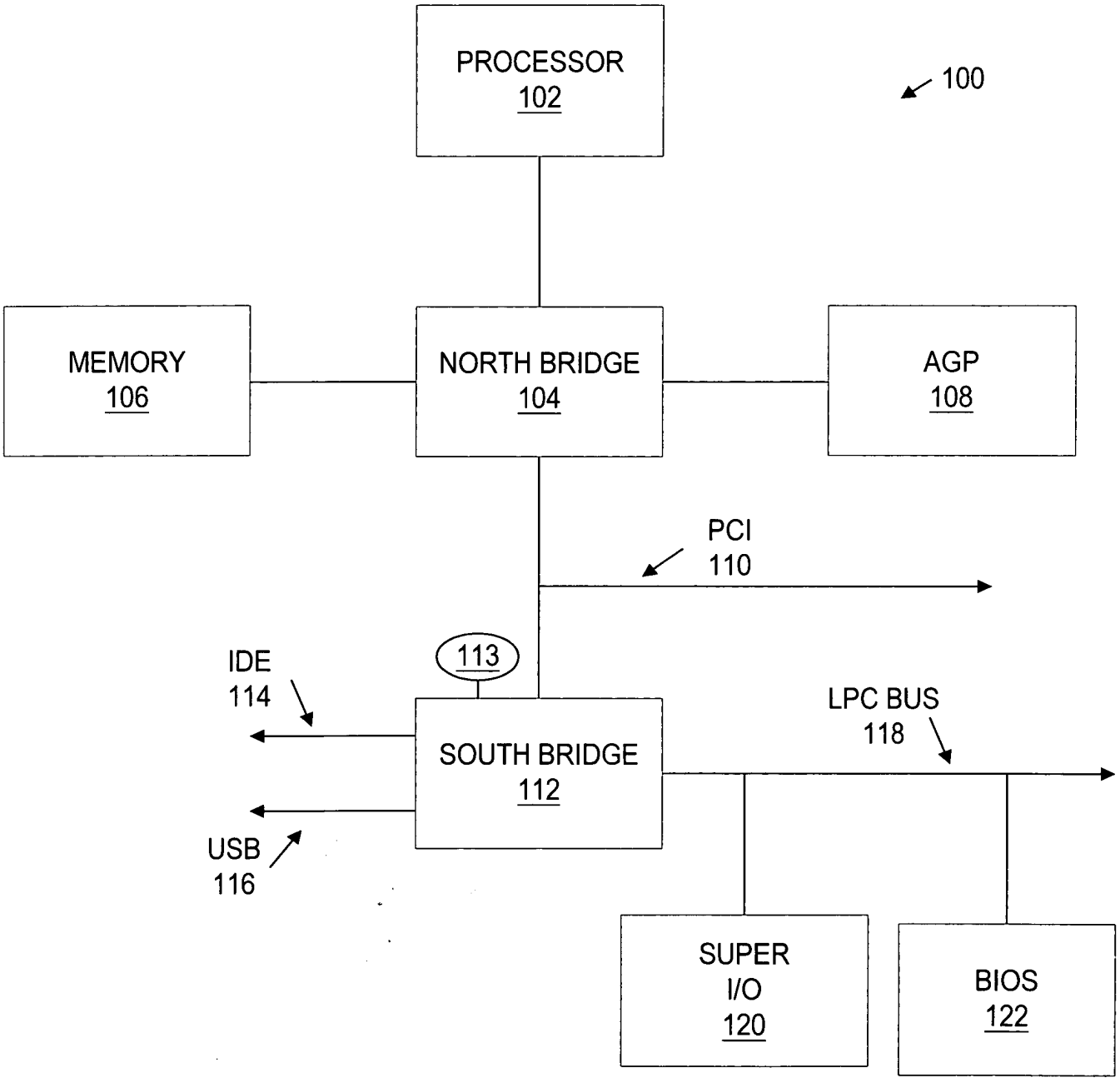

Fig. 1A
(Prior Art)

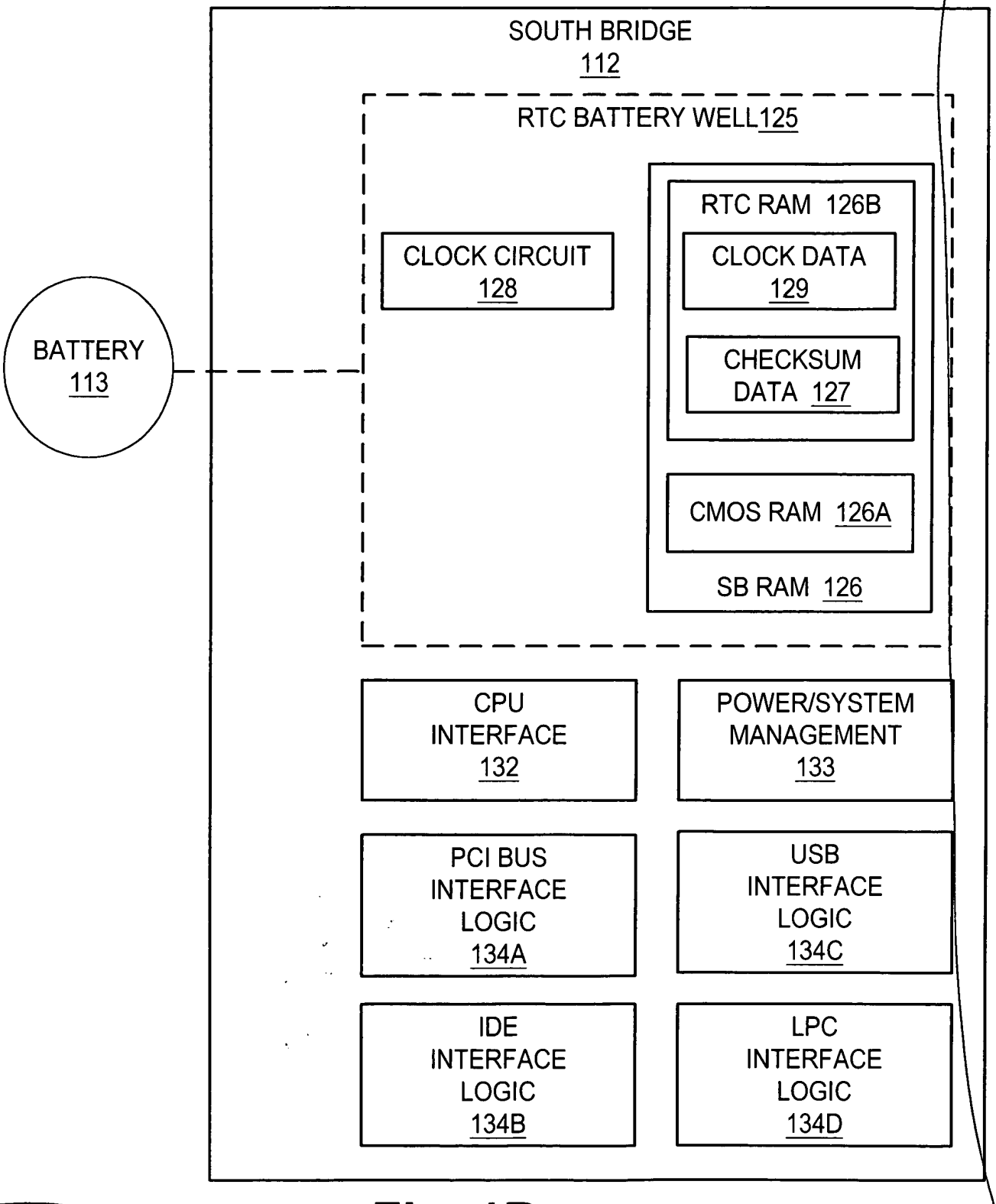

Fig. 1B
(Prior Art)

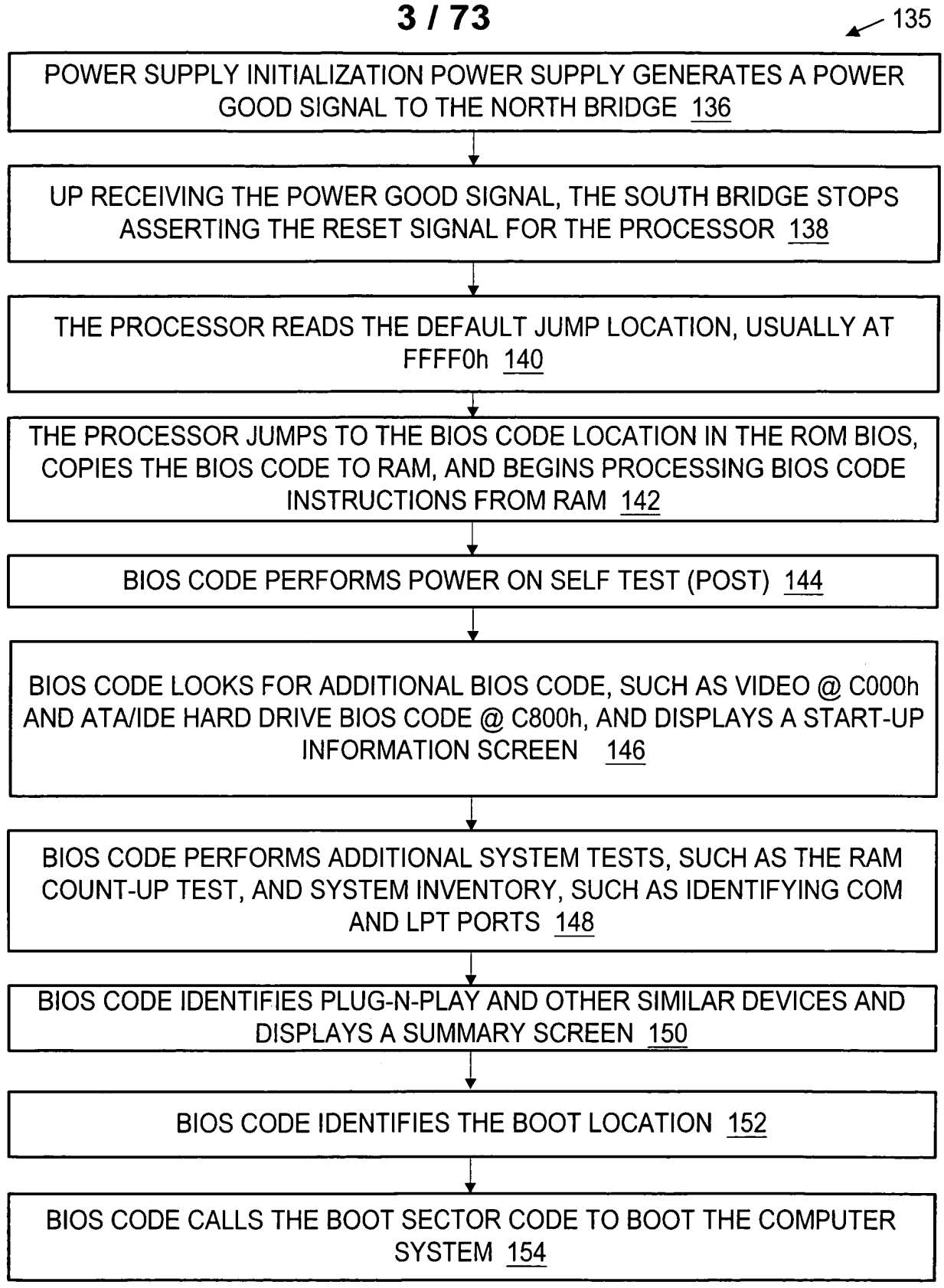

Fig. 2A
(Prior Art)

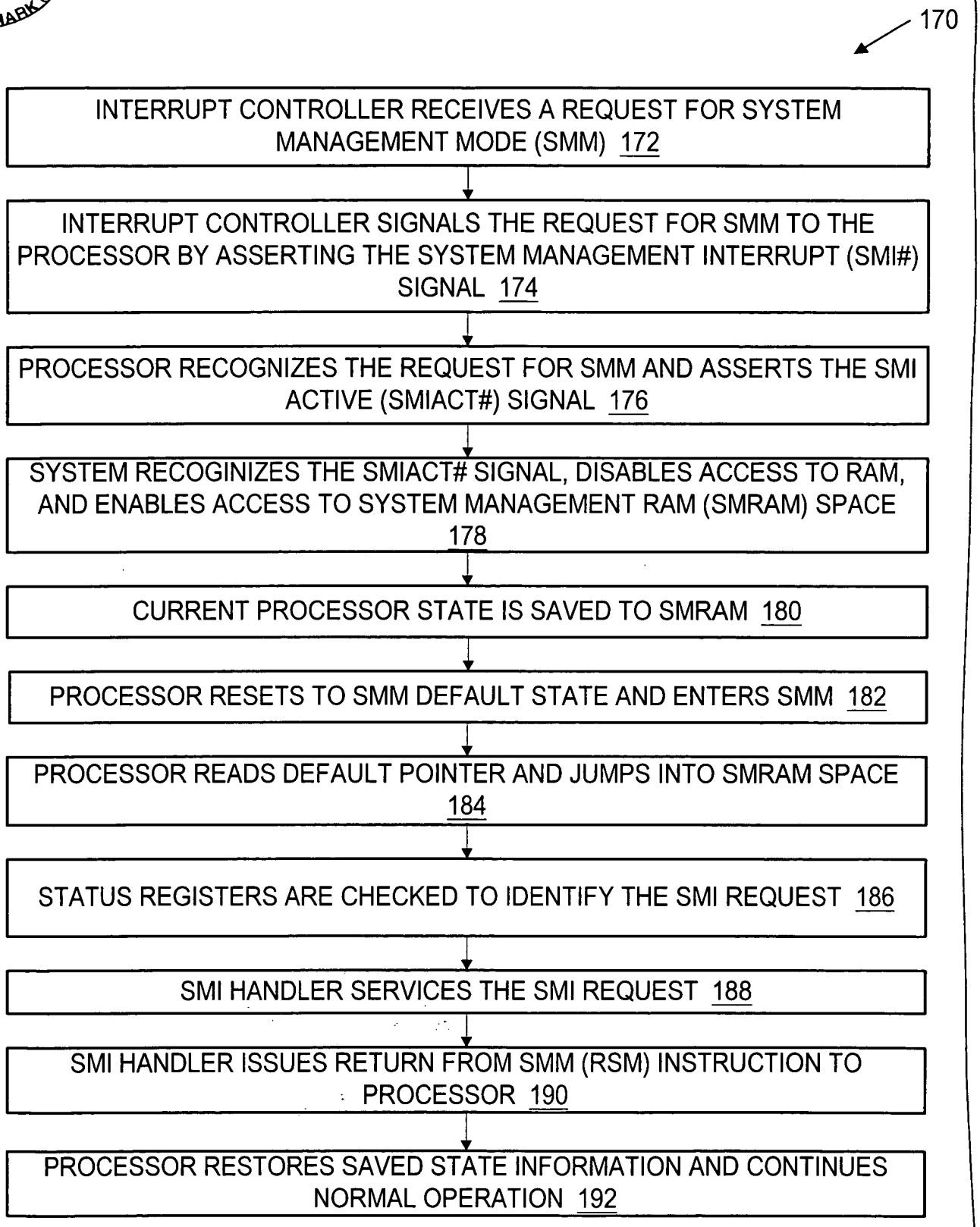

Fig. 2B
(Prior Art)

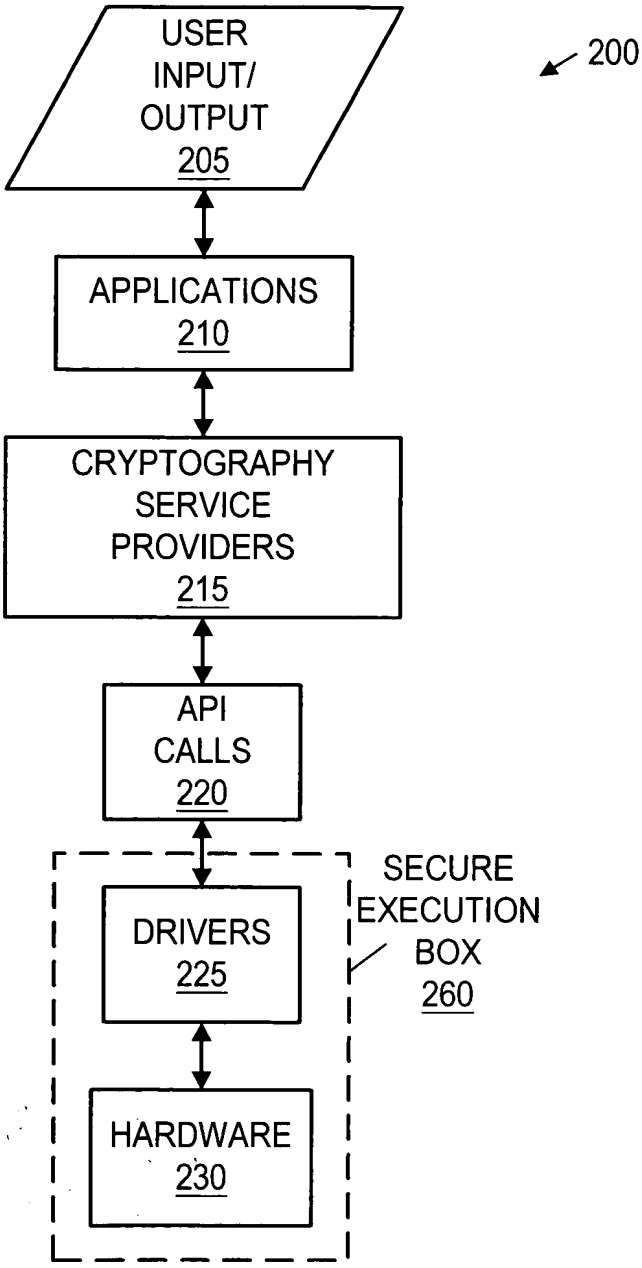

Fig. 3 2

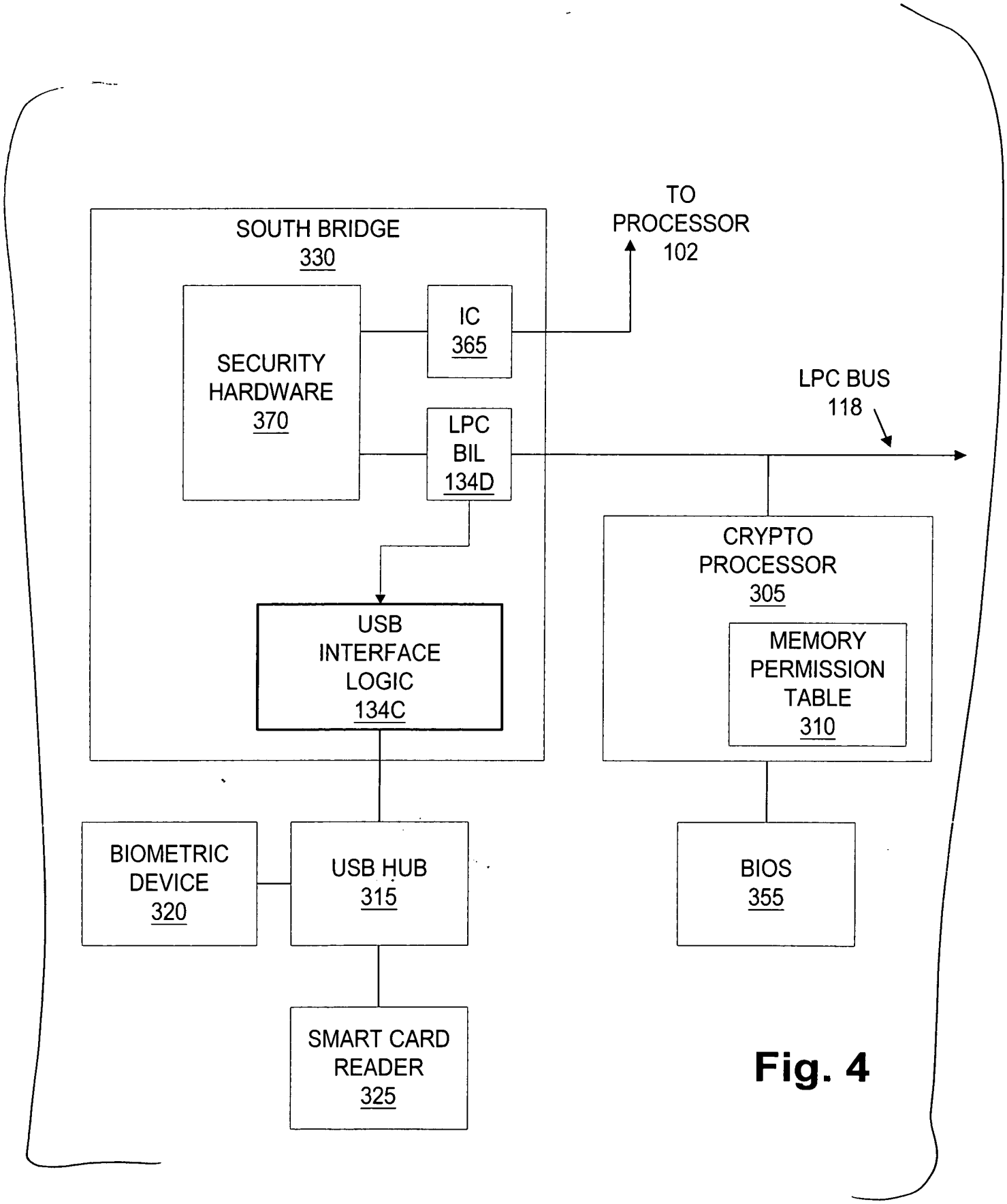

Fig. 4

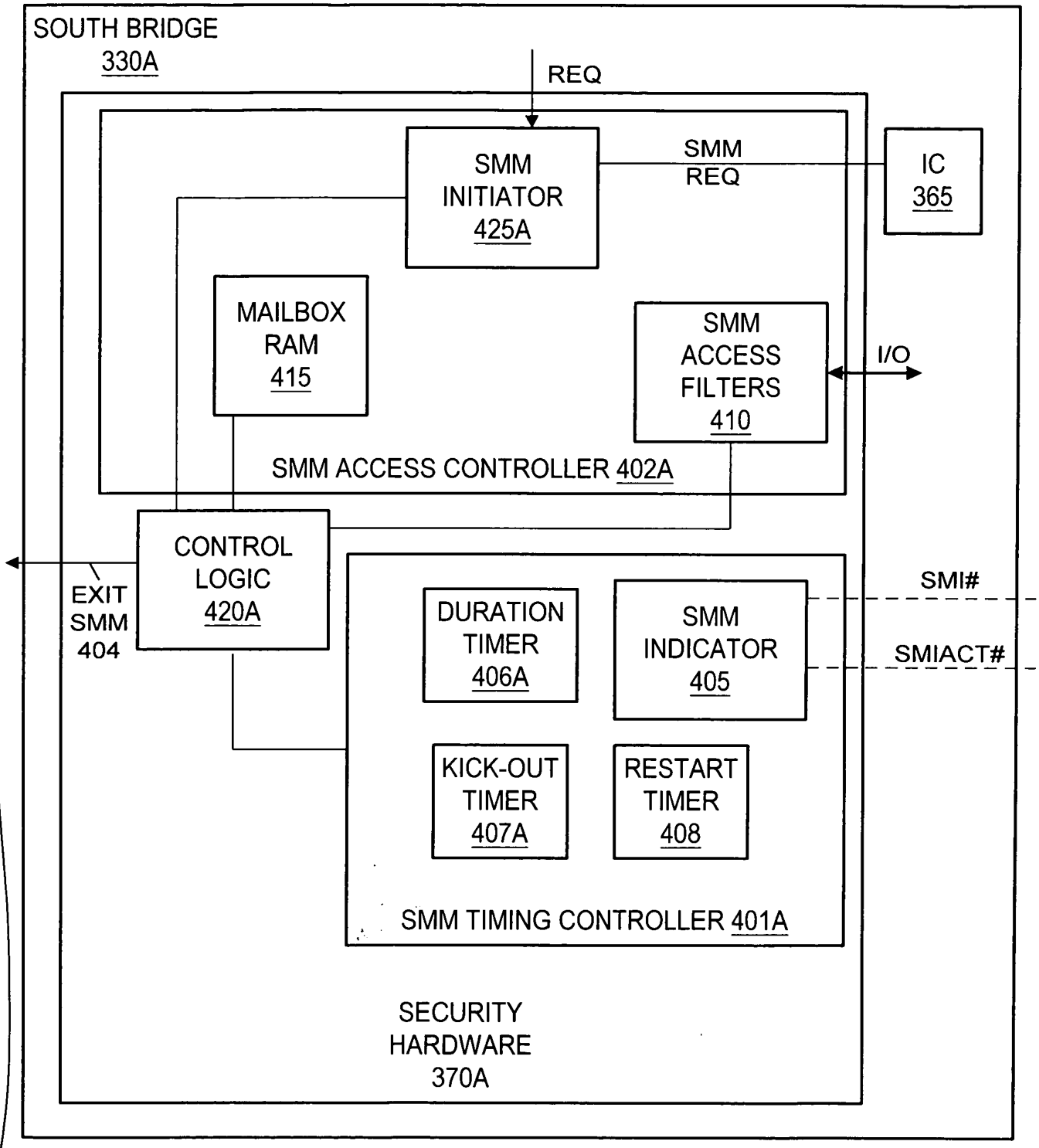

Fig. 5A

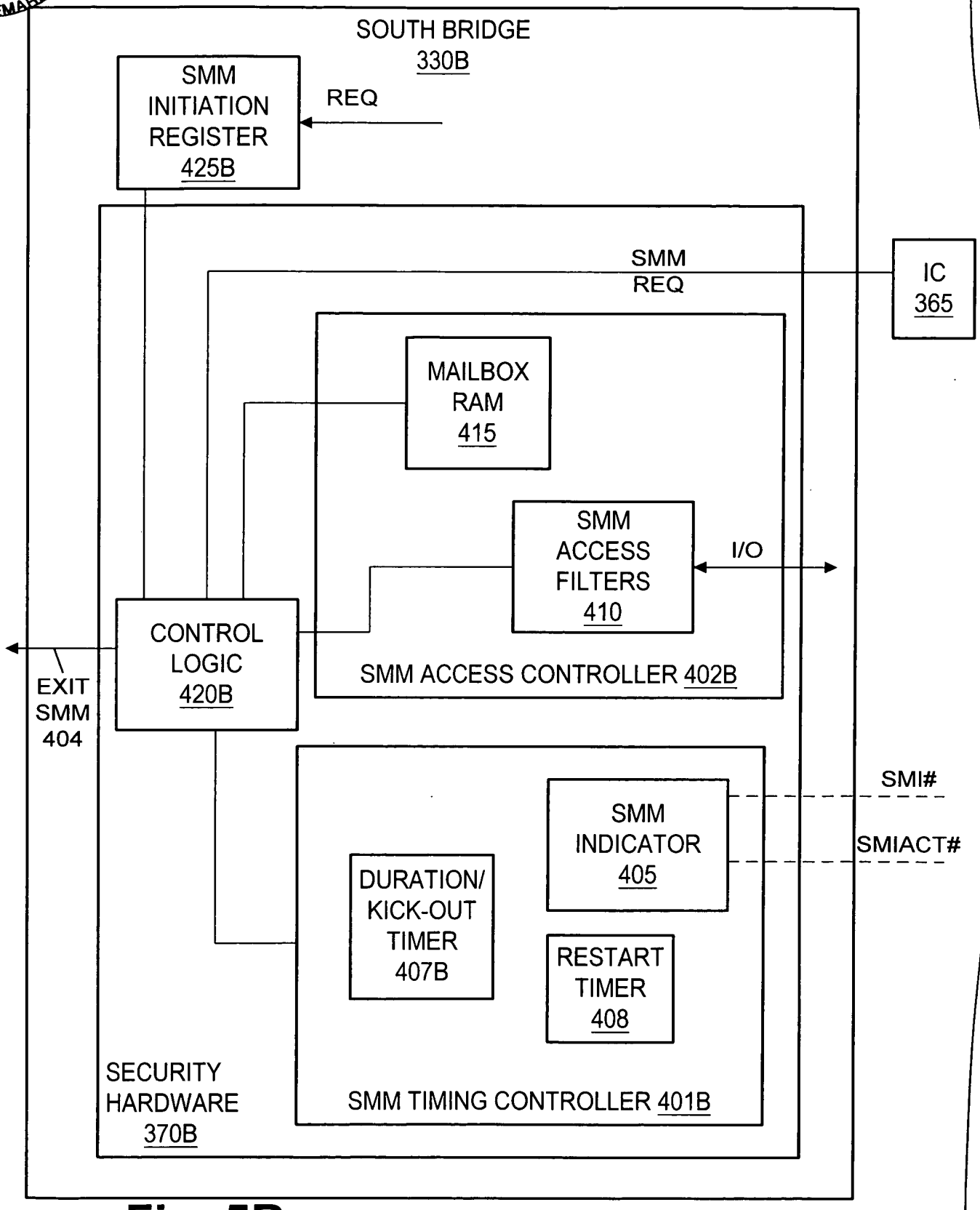

Fig. 5B

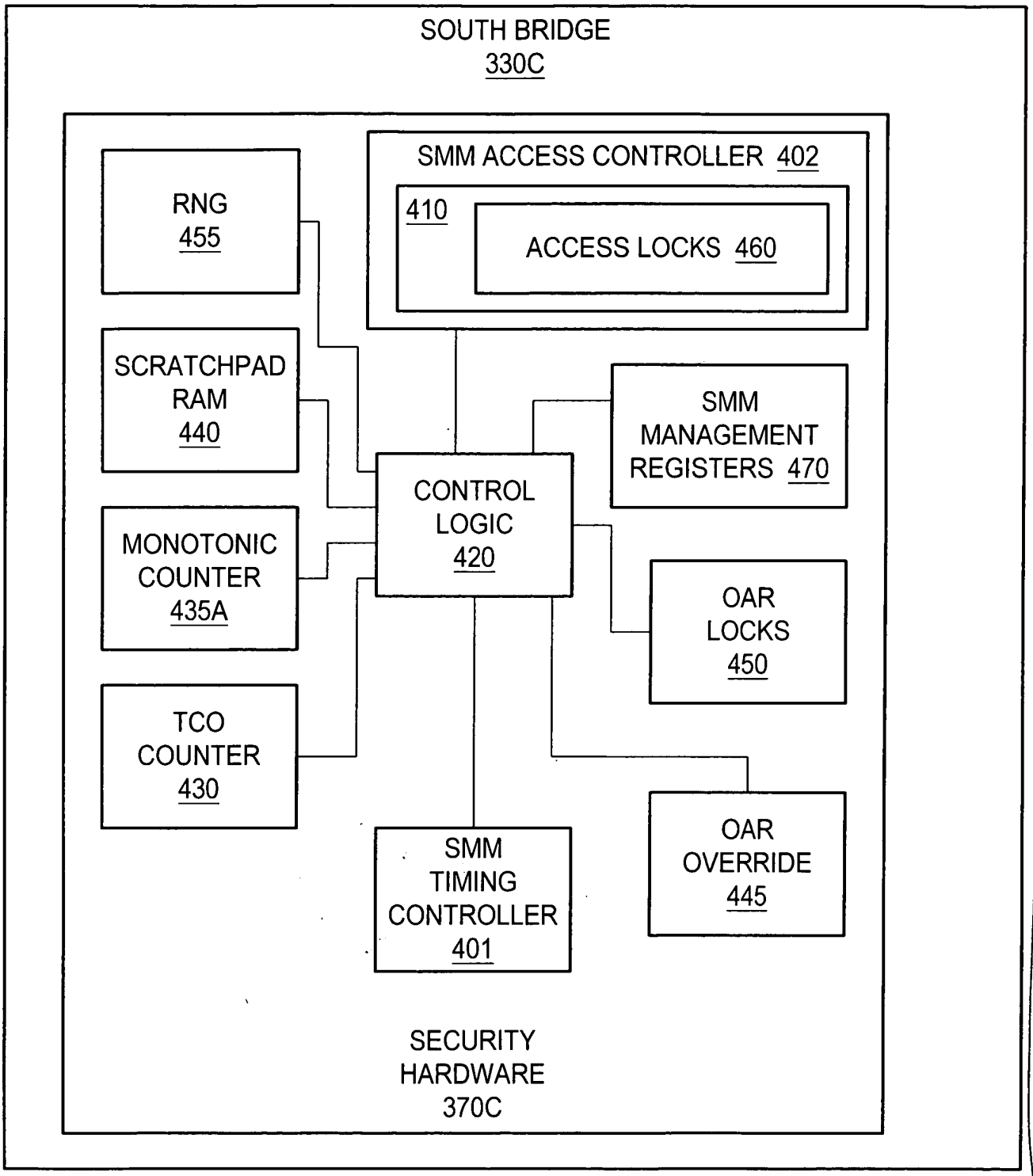

Fig. 6

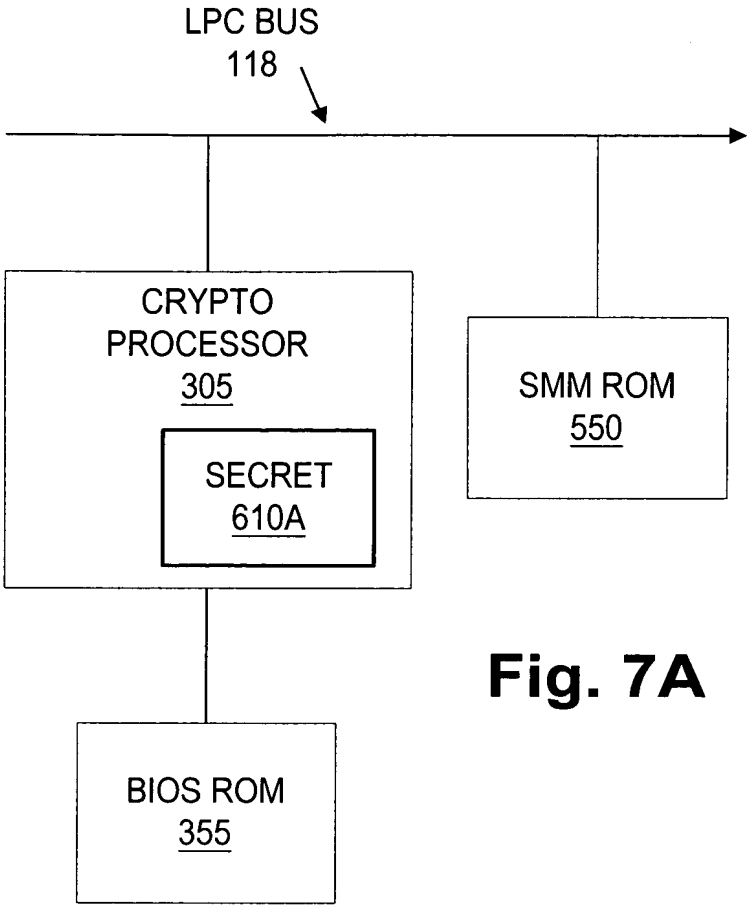

Fig. 7A

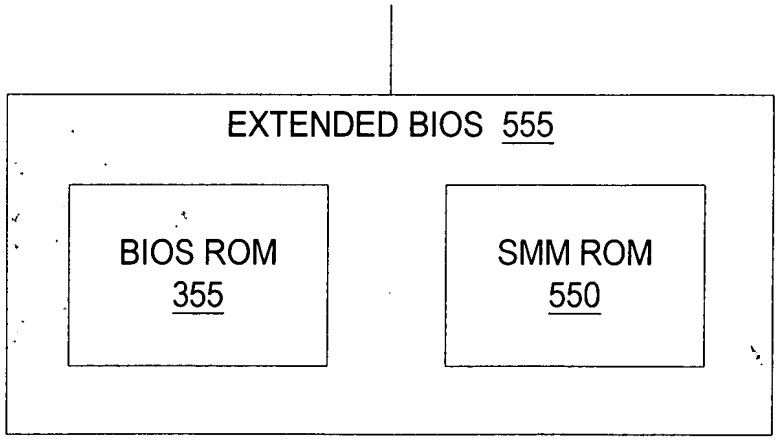

Fig. 7B

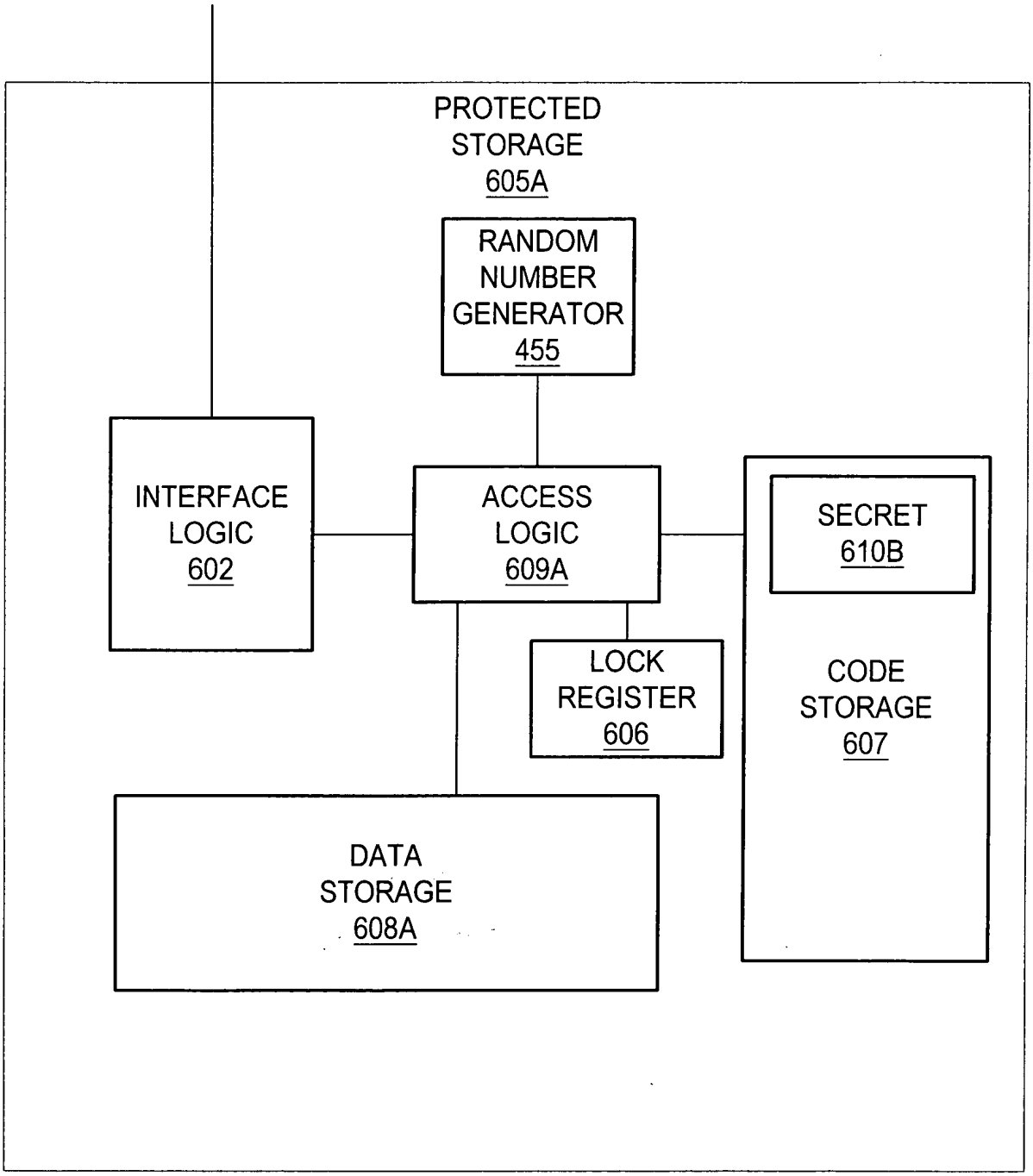

Fig. 7C

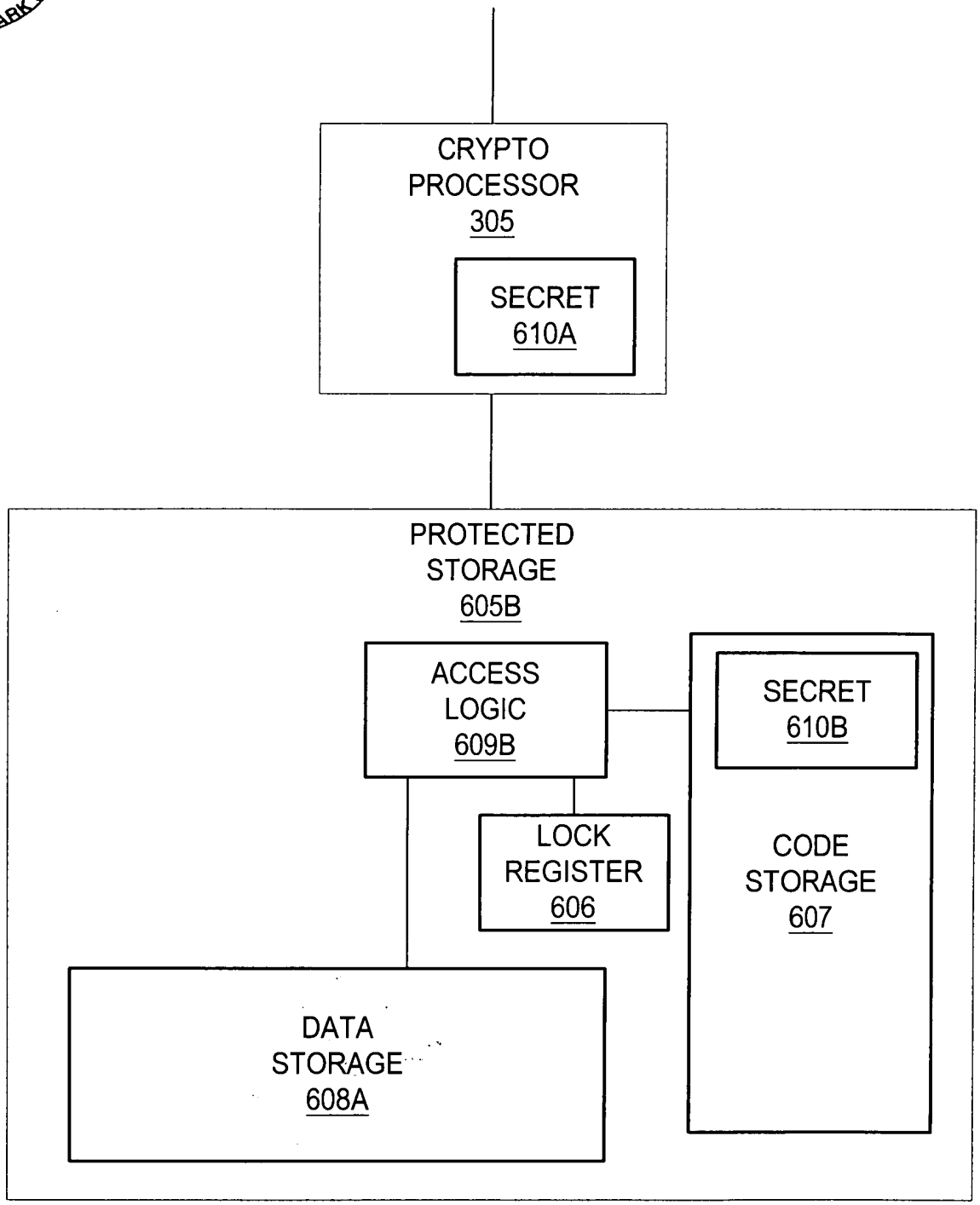

Fig. 7D

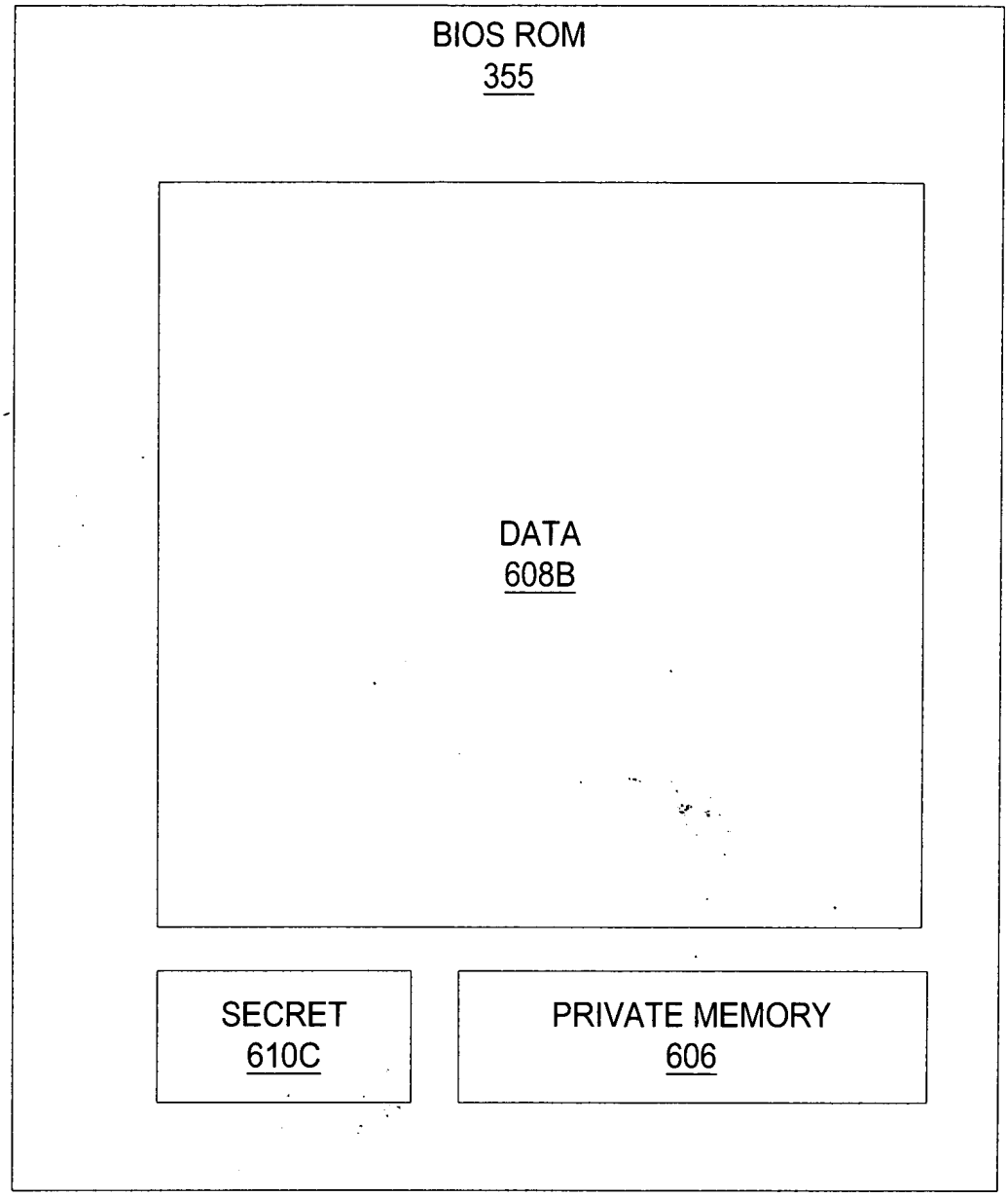

Fig. 8A

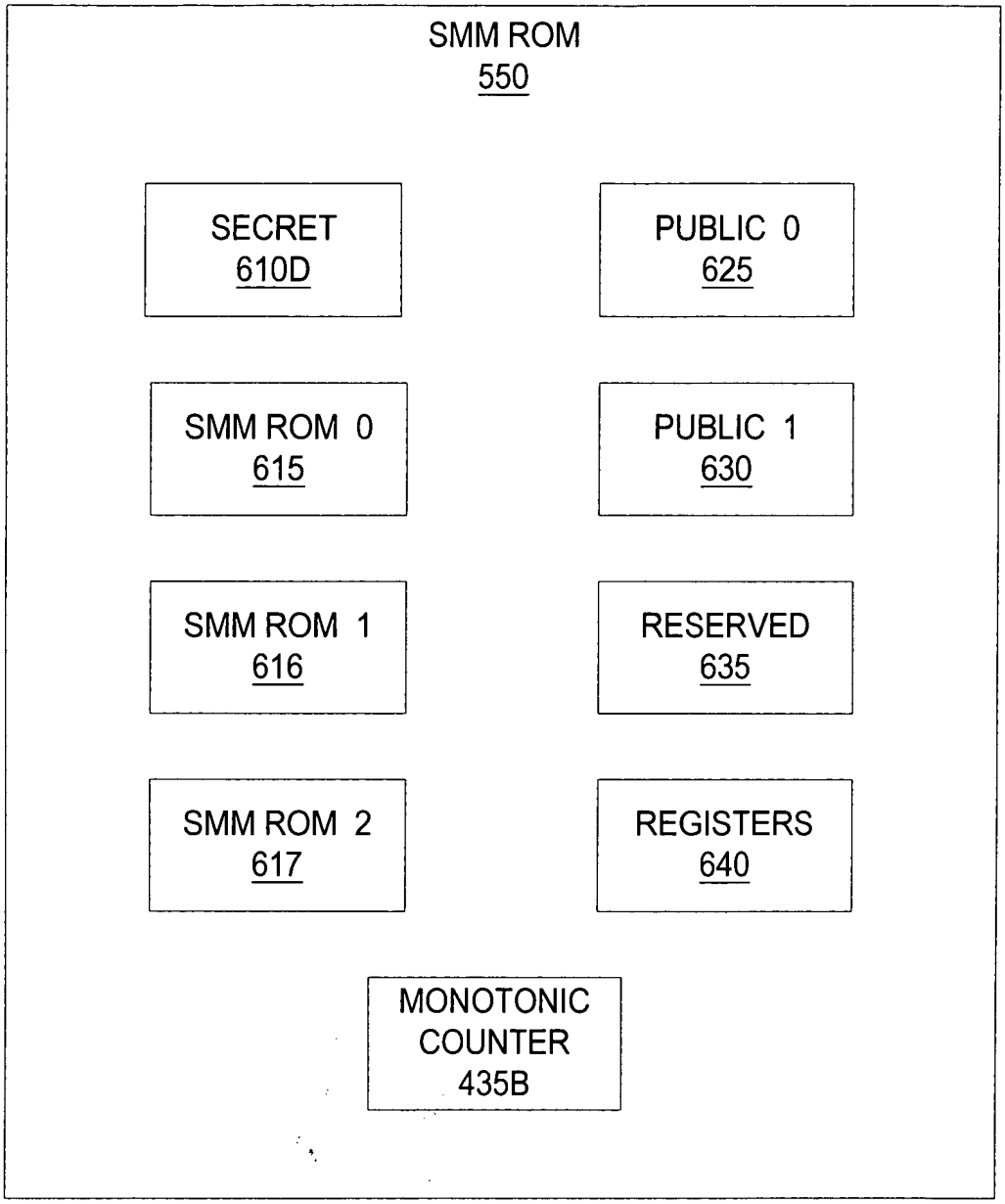

Fig. 8B

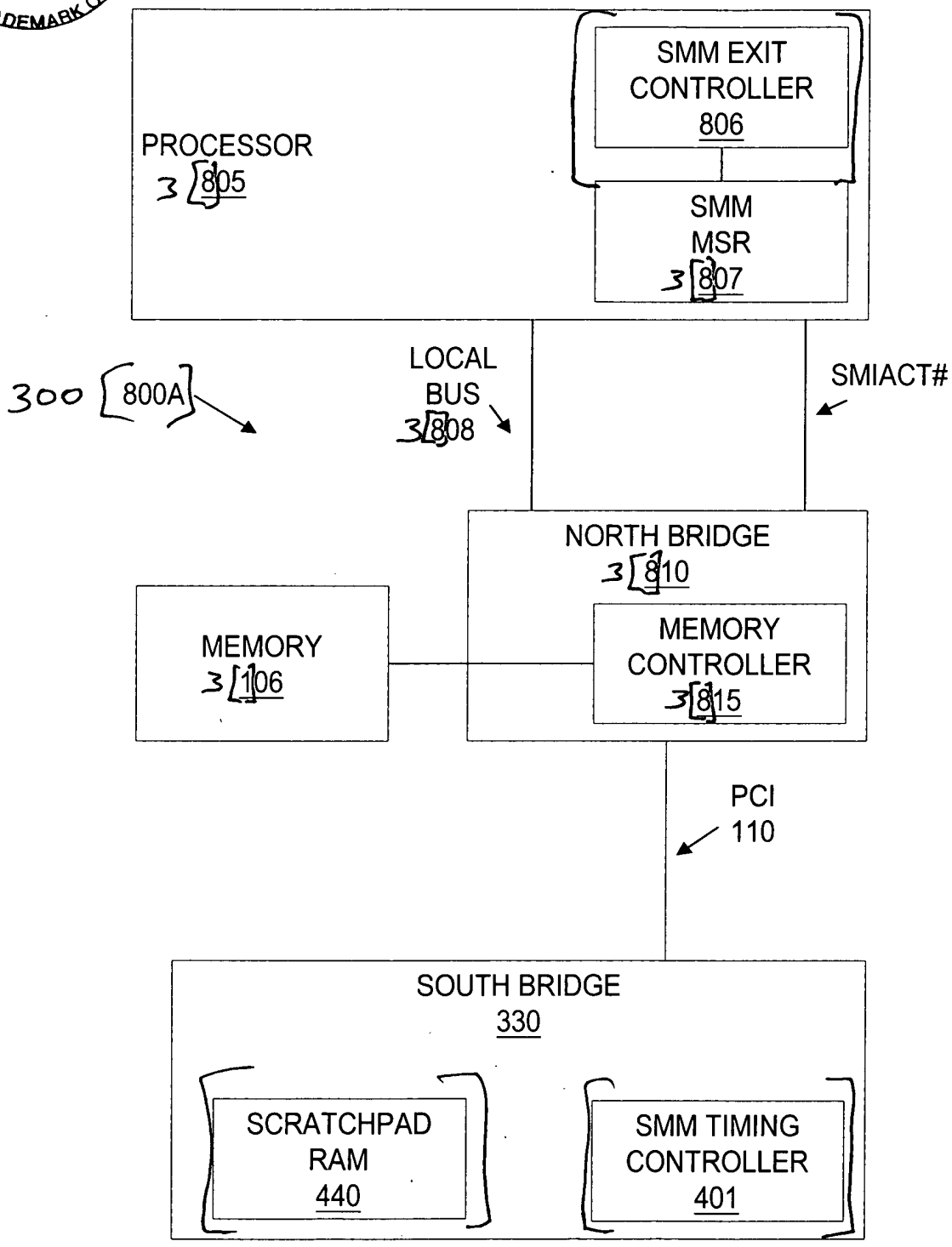

Fig. 9A

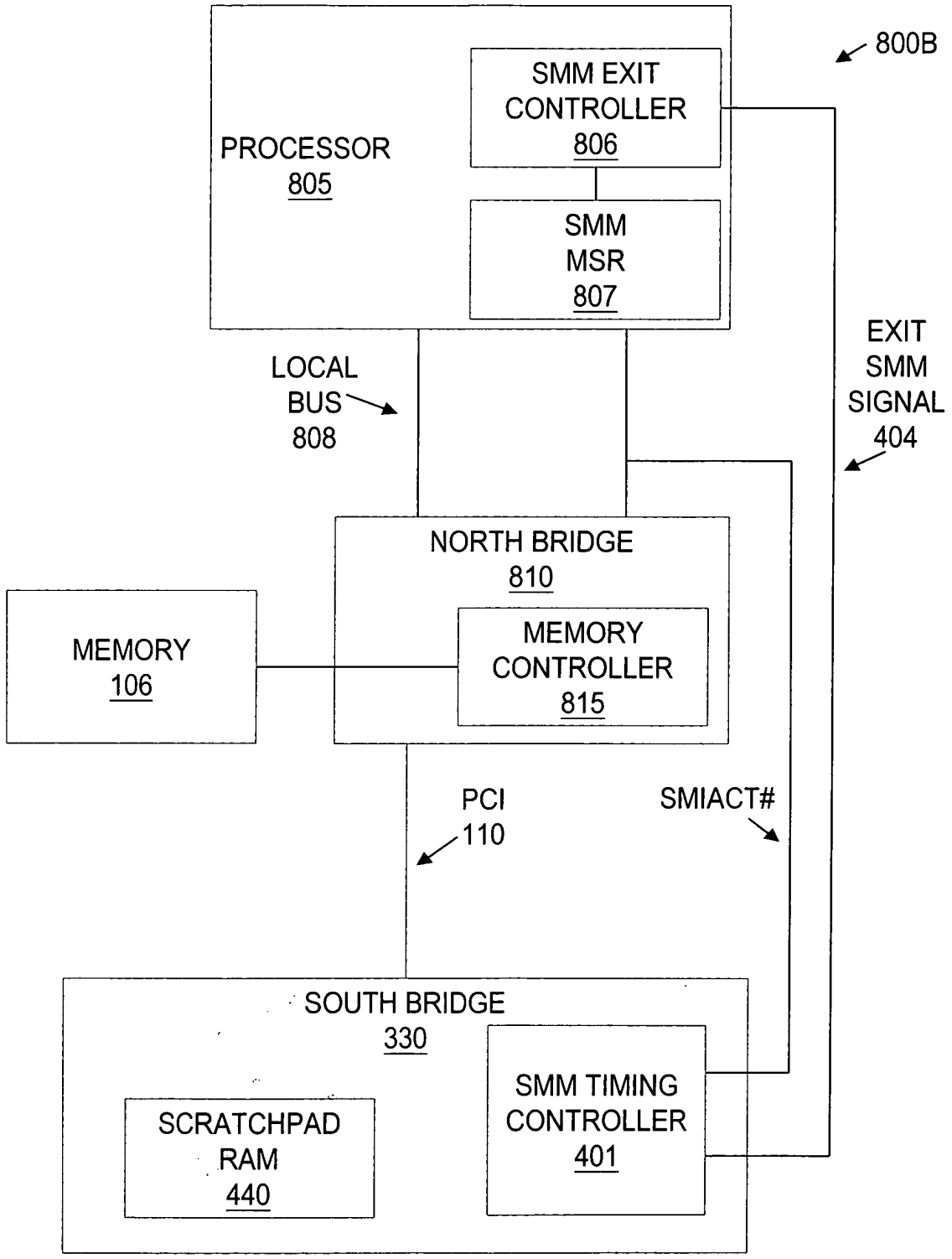

Fig. 9B

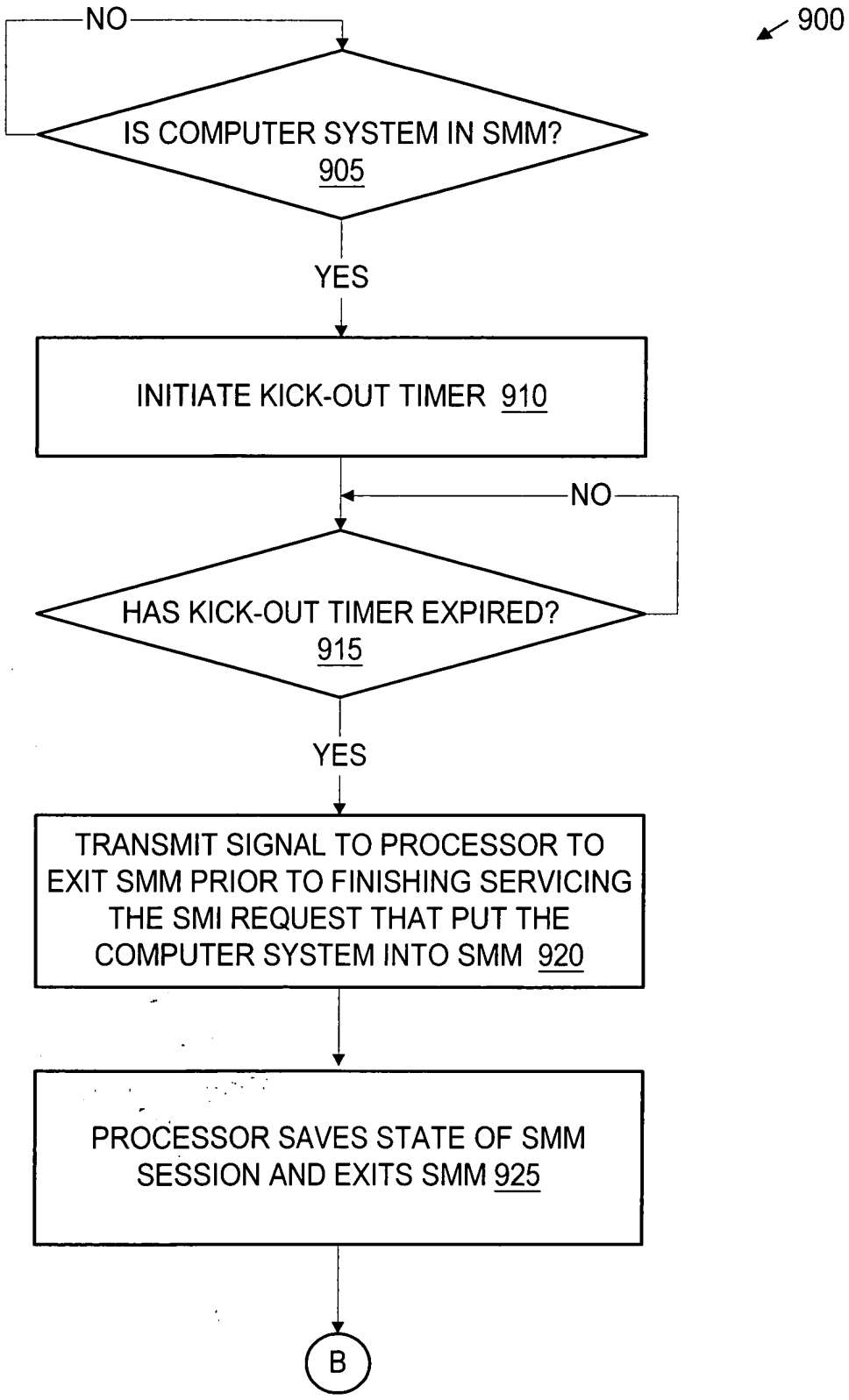

Fig. 10A

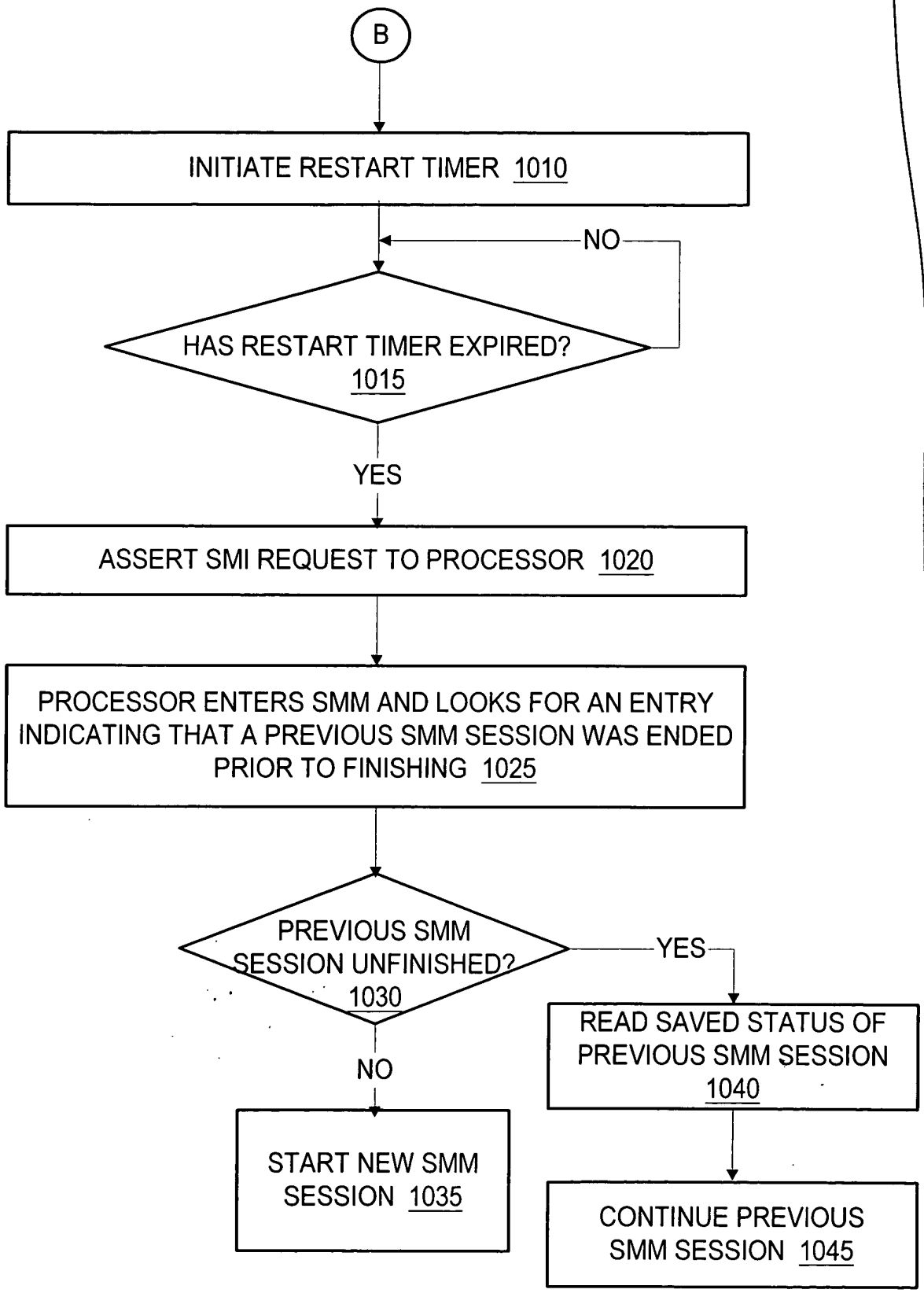

Fig. 10B

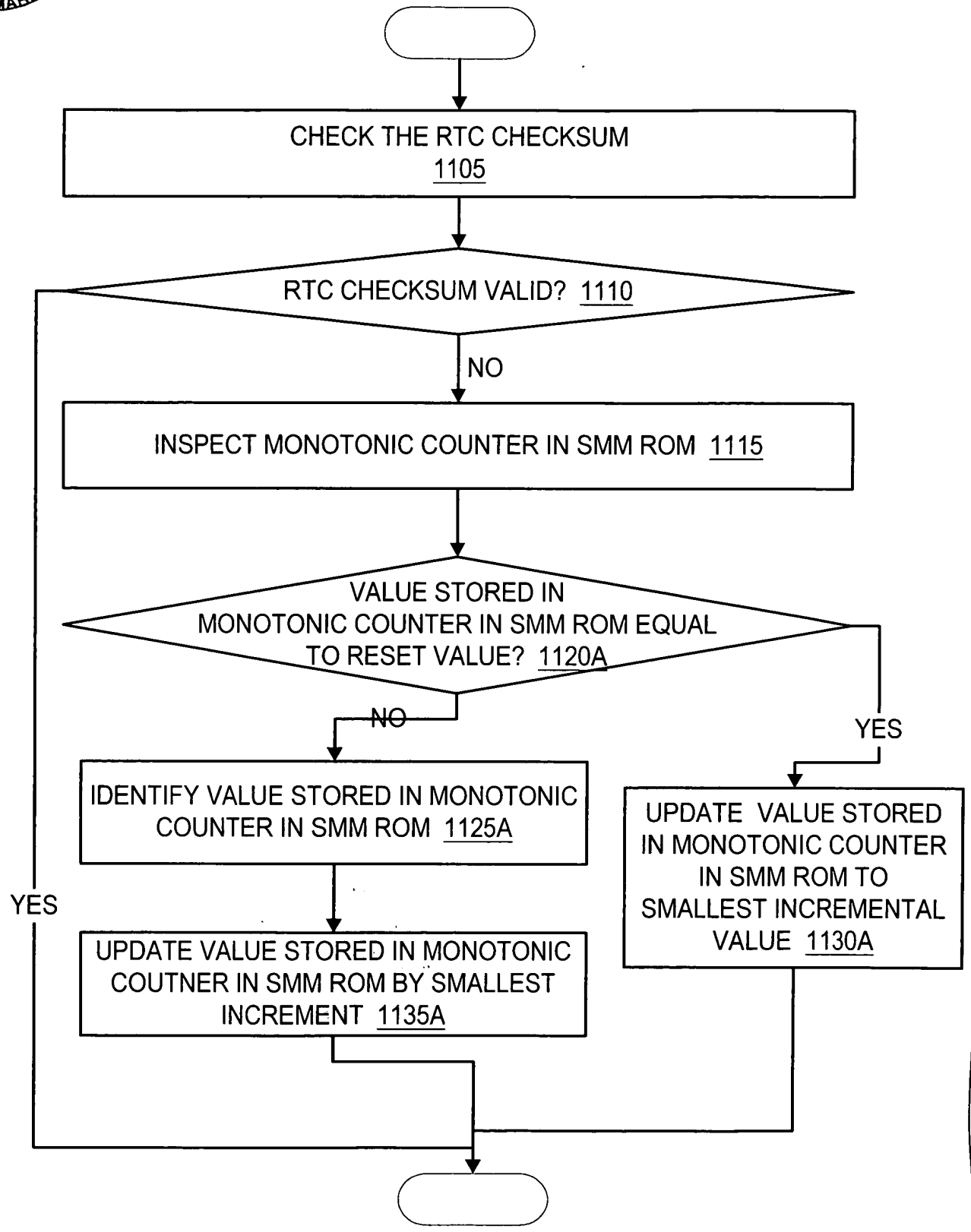

Fig. 11A

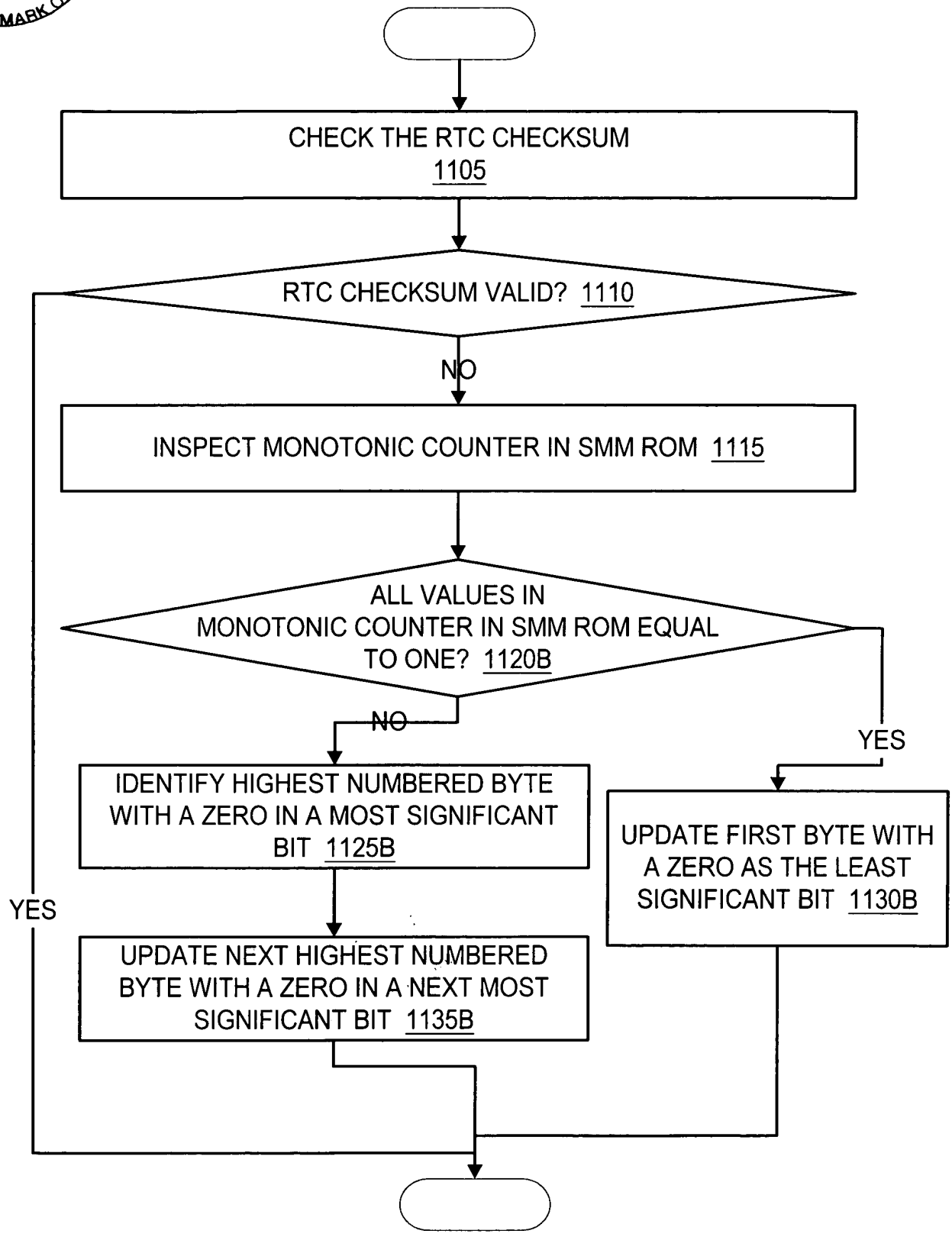

Fig. 11B

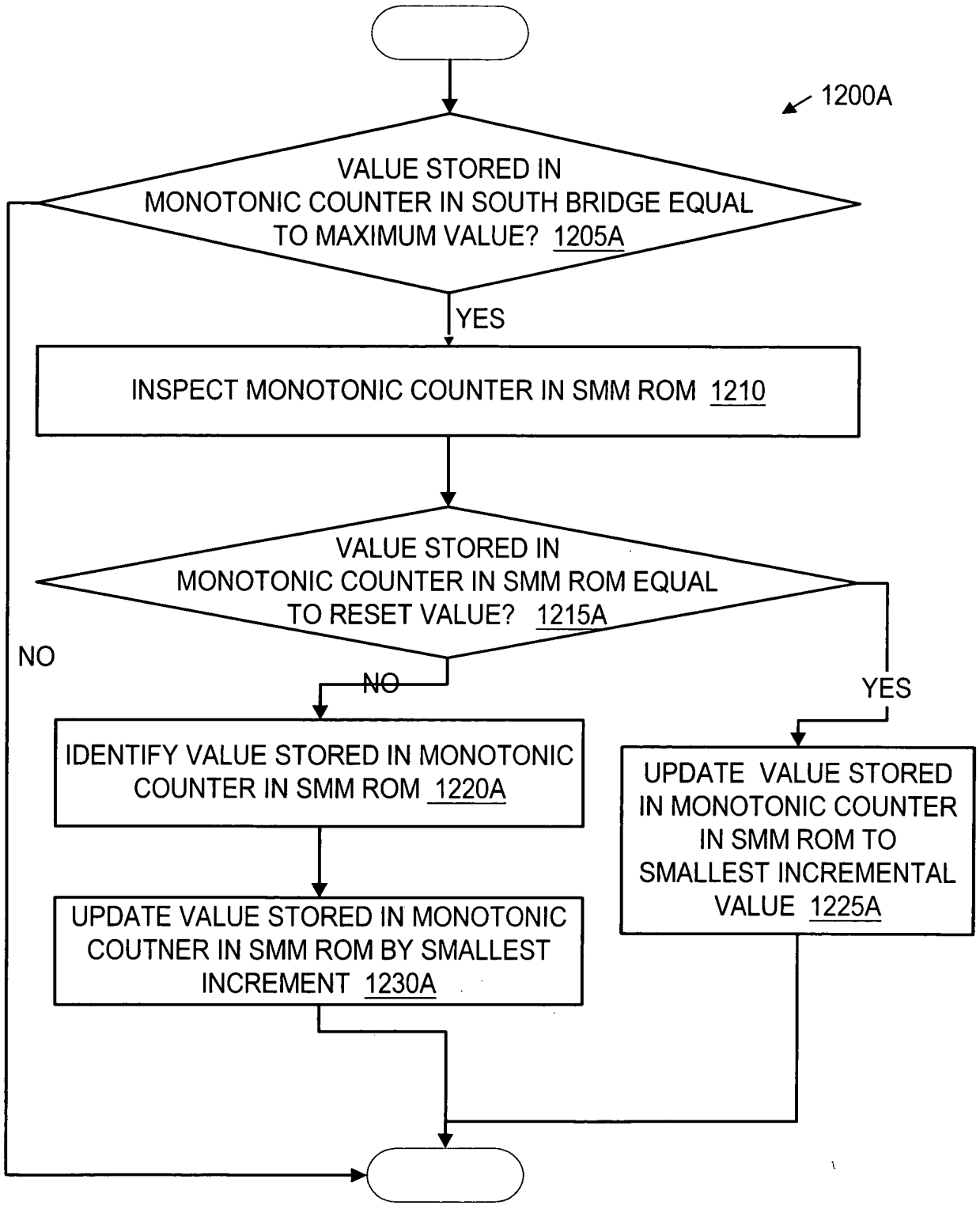

Fig. 12A

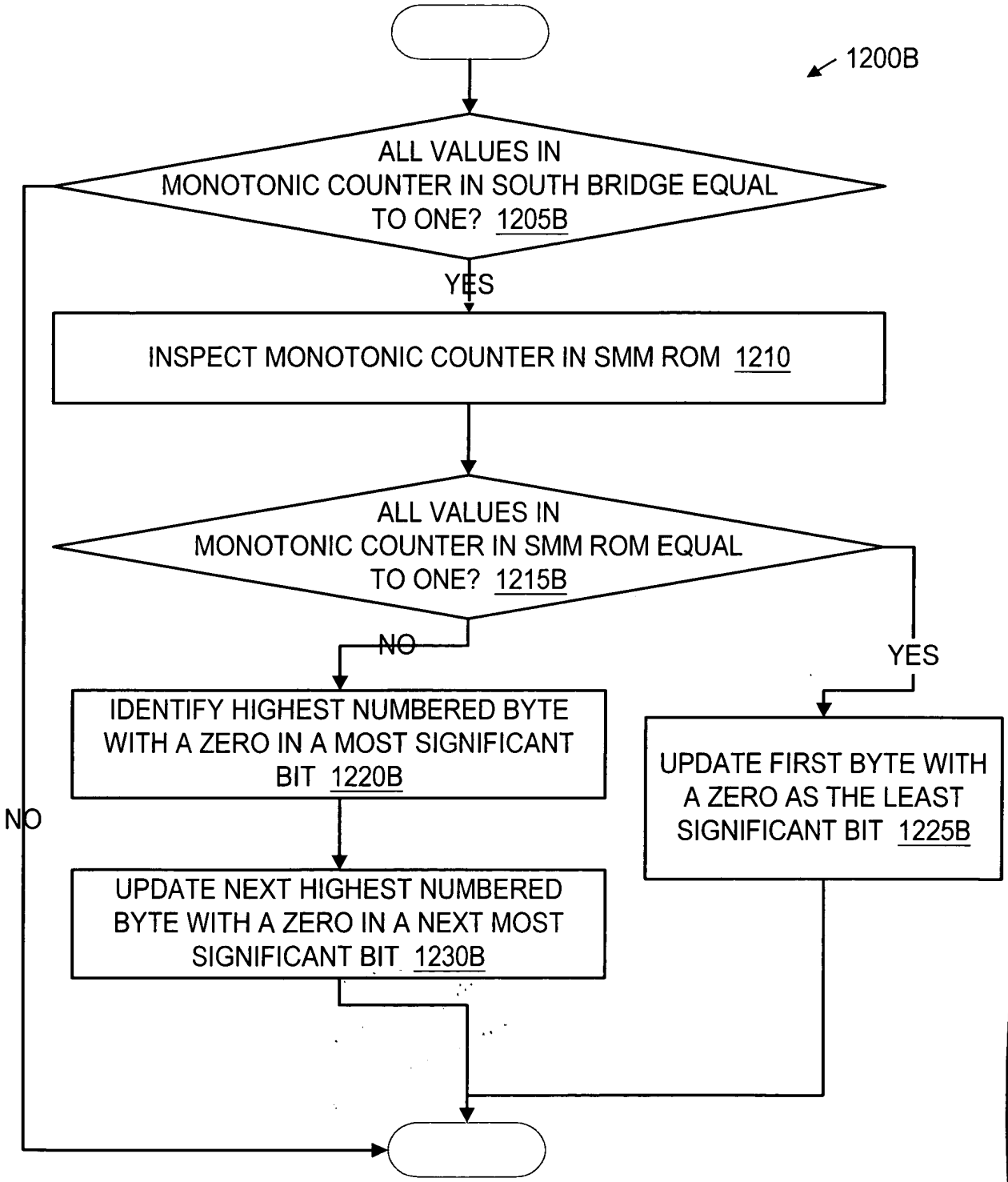

Fig. 12B

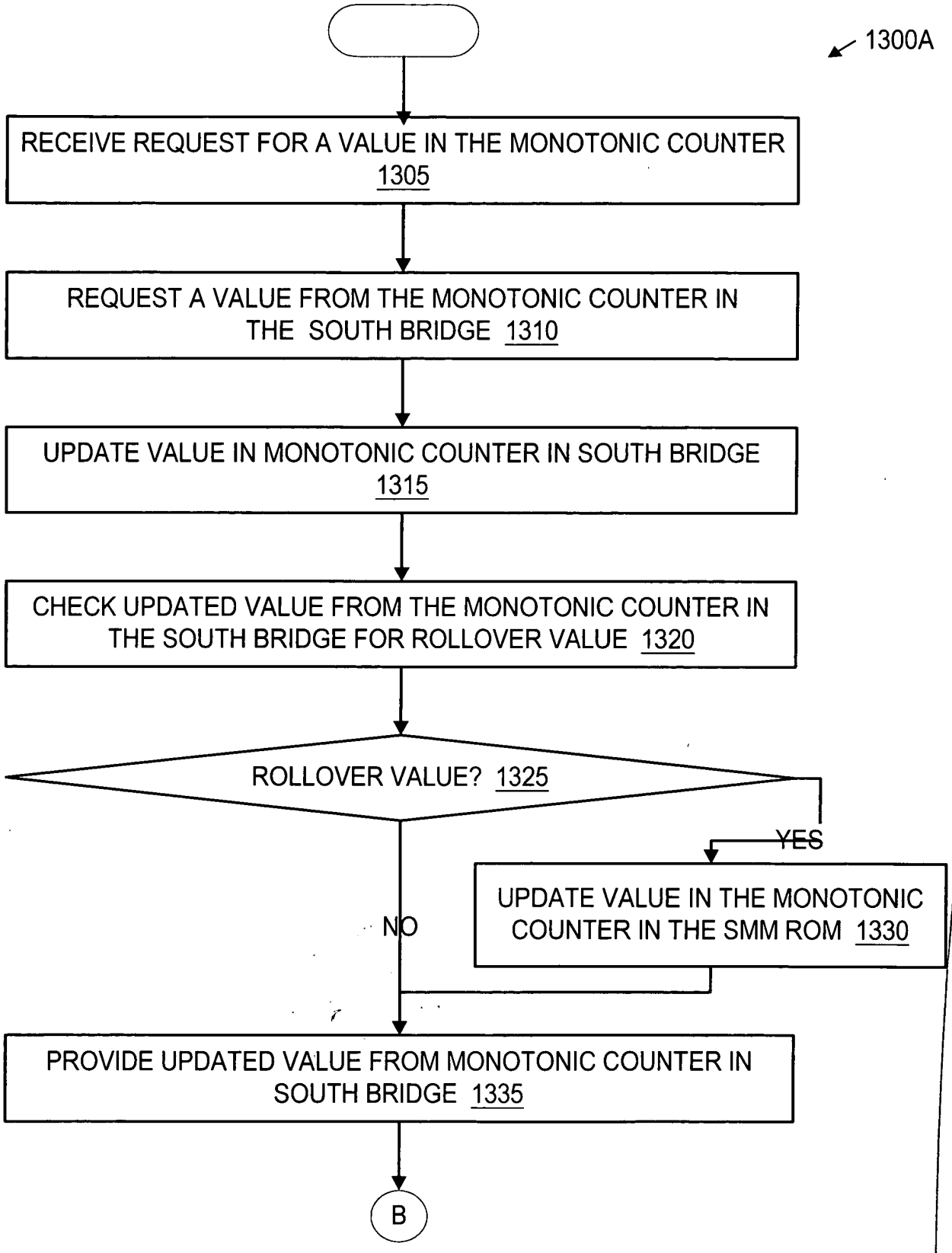

Fig. 13A

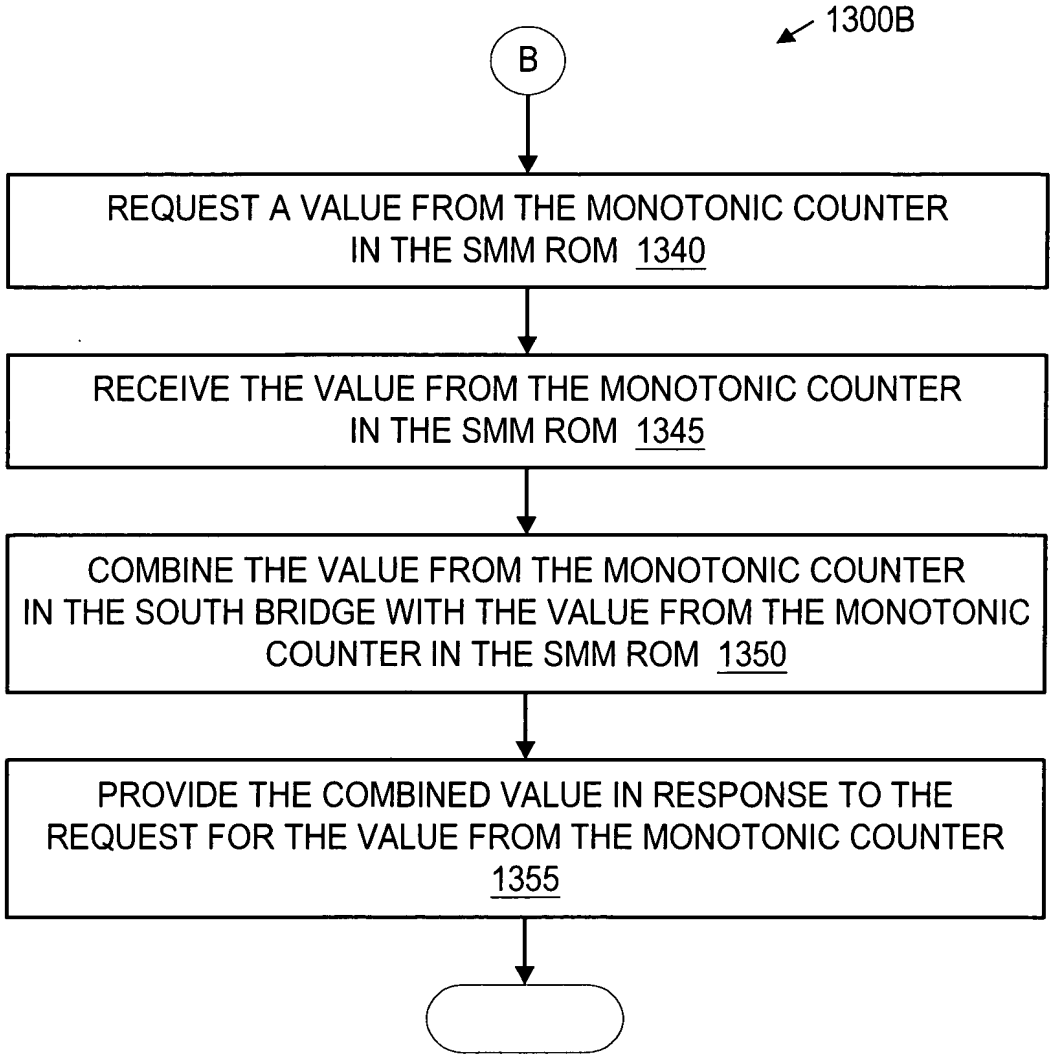

Fig. 13B

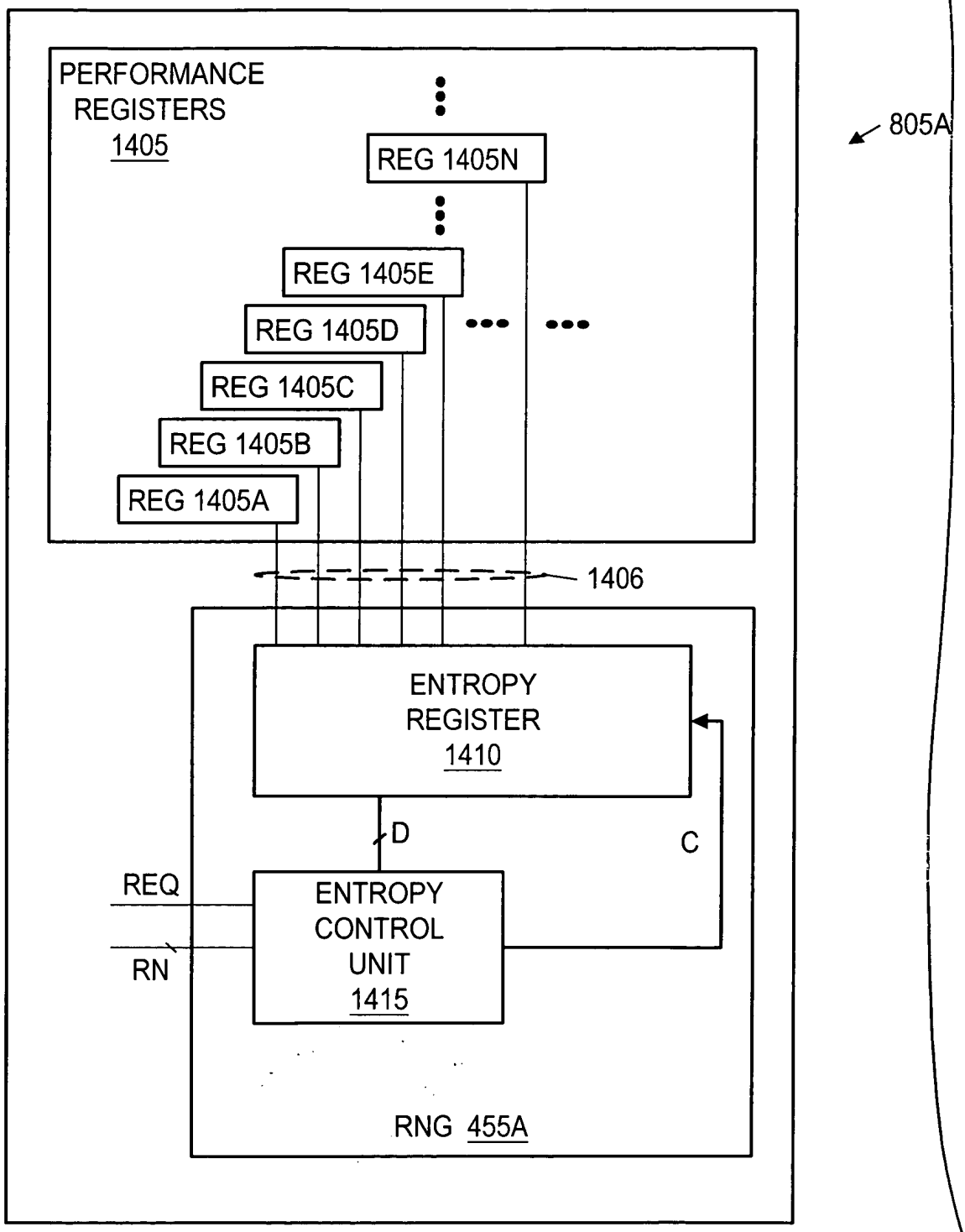

Fig. 14A

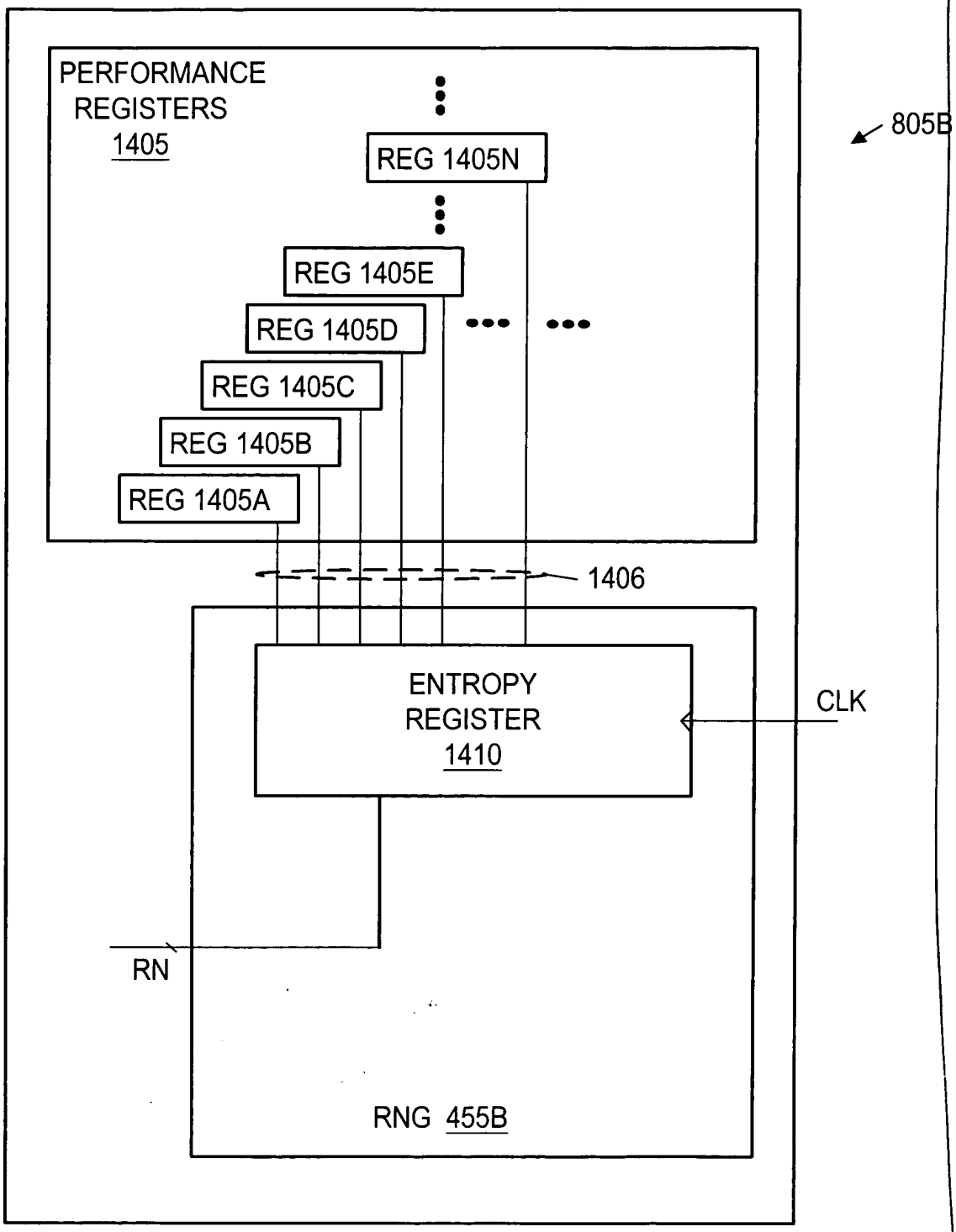

Fig. 14B

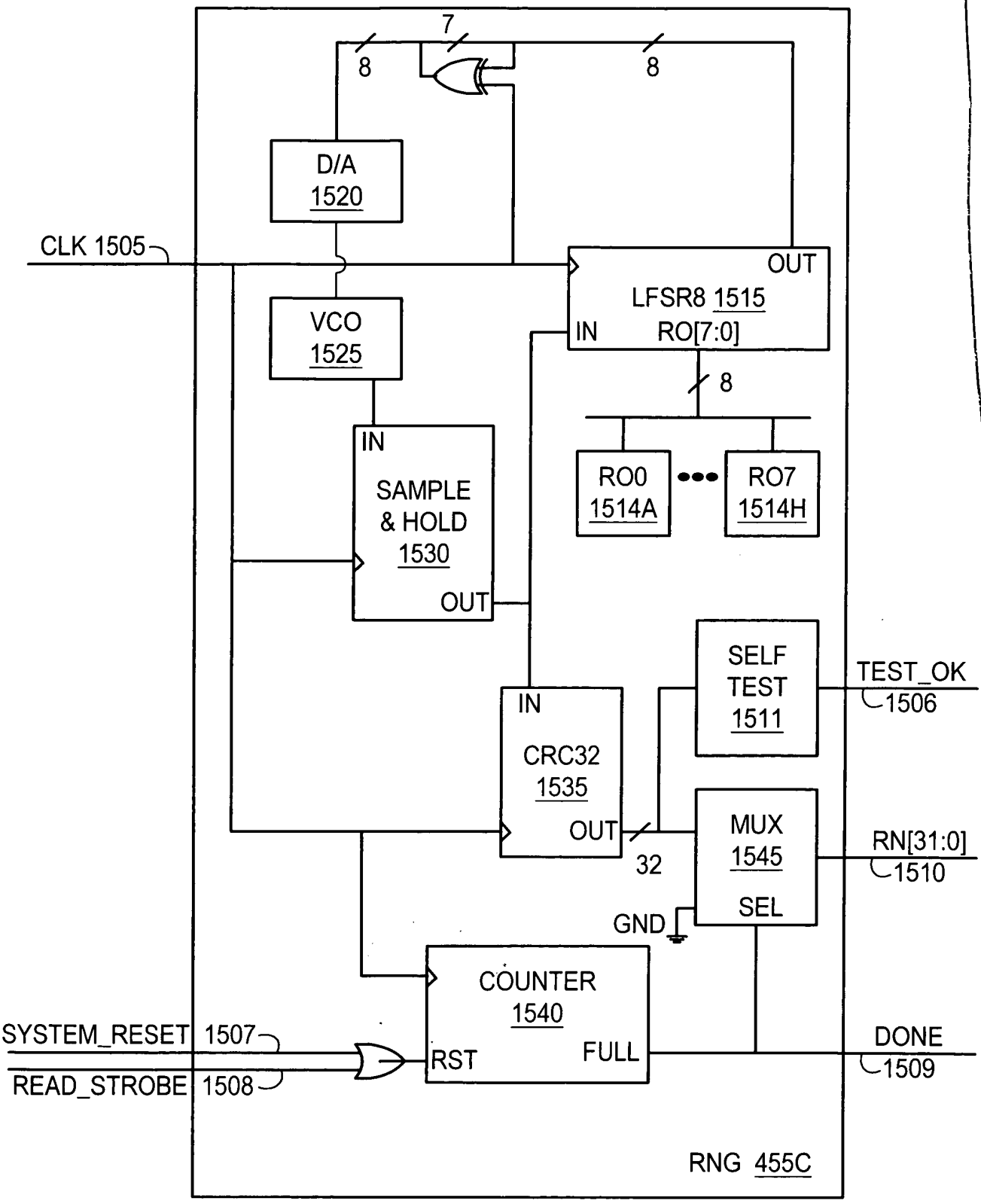

Fig. 15

1600A

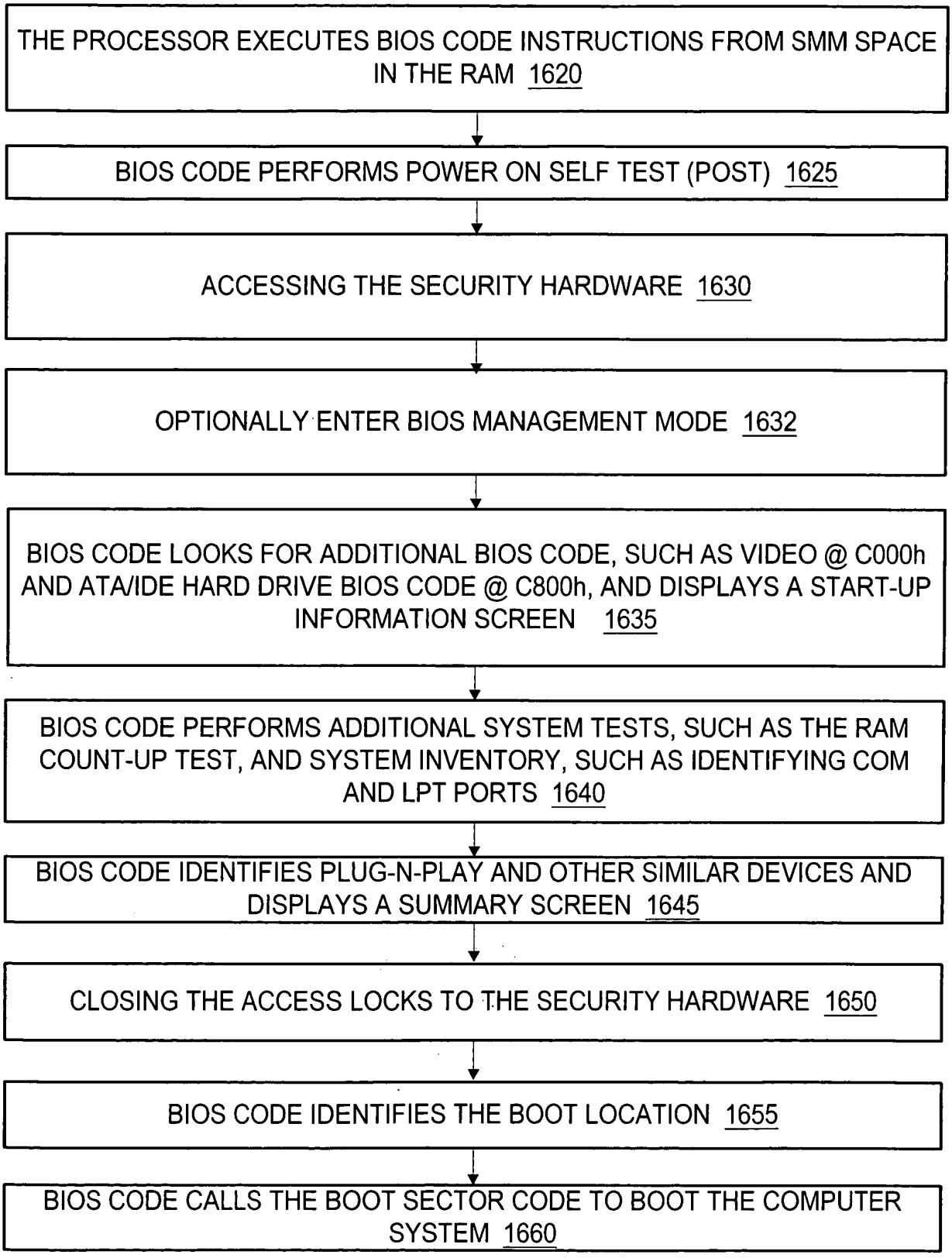

Fig. 16A

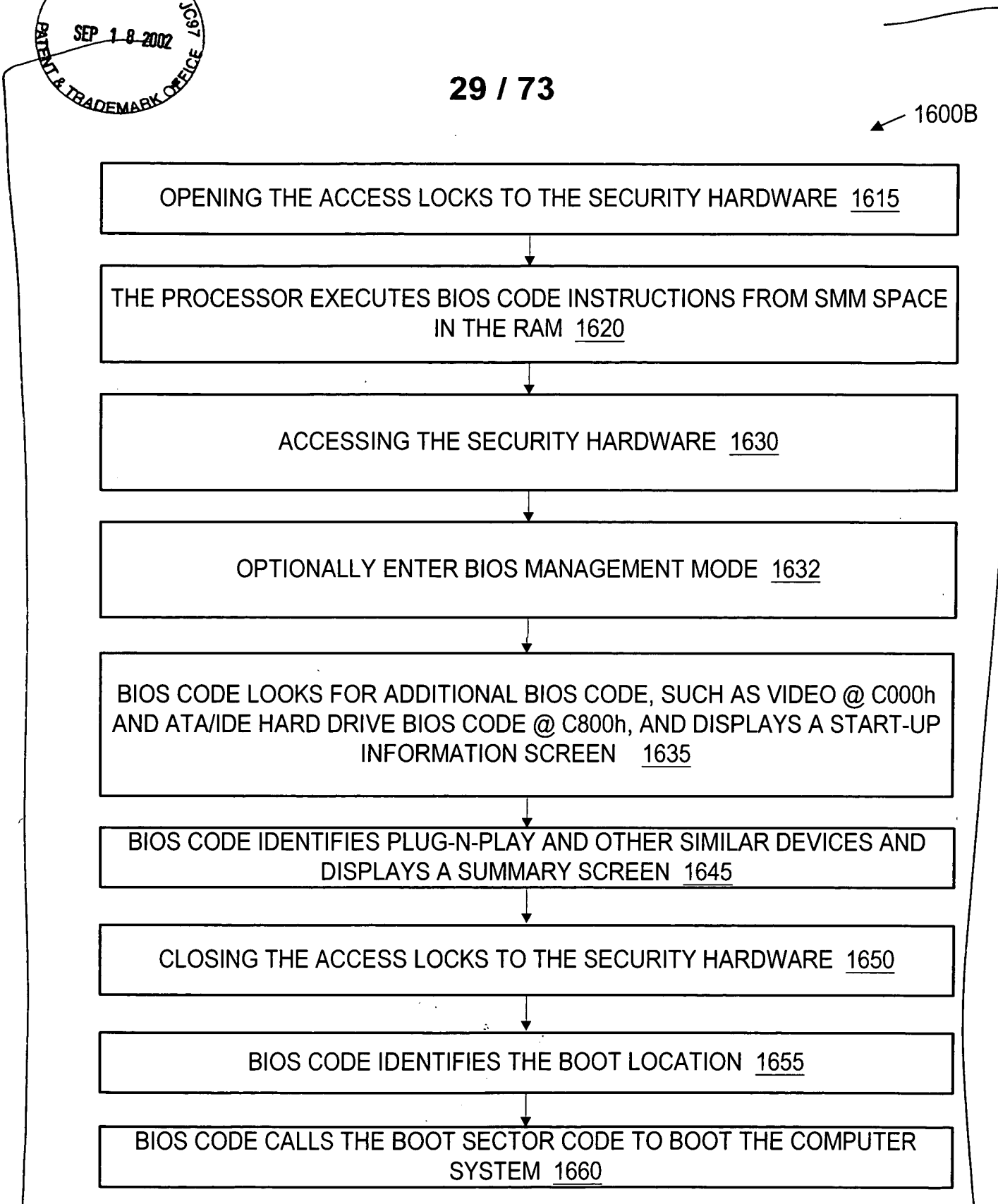

Fig. 16B

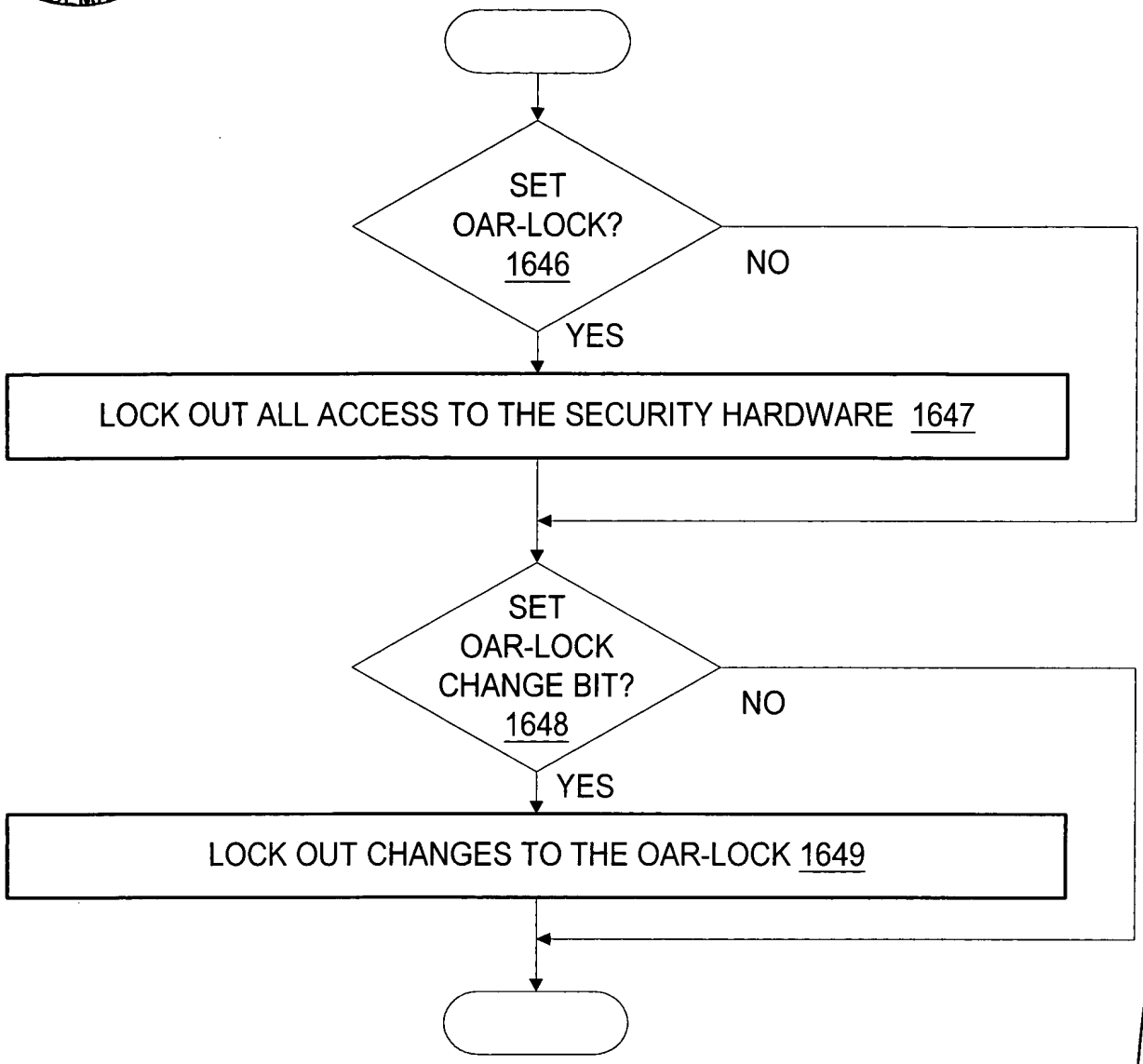

Fig. 16C

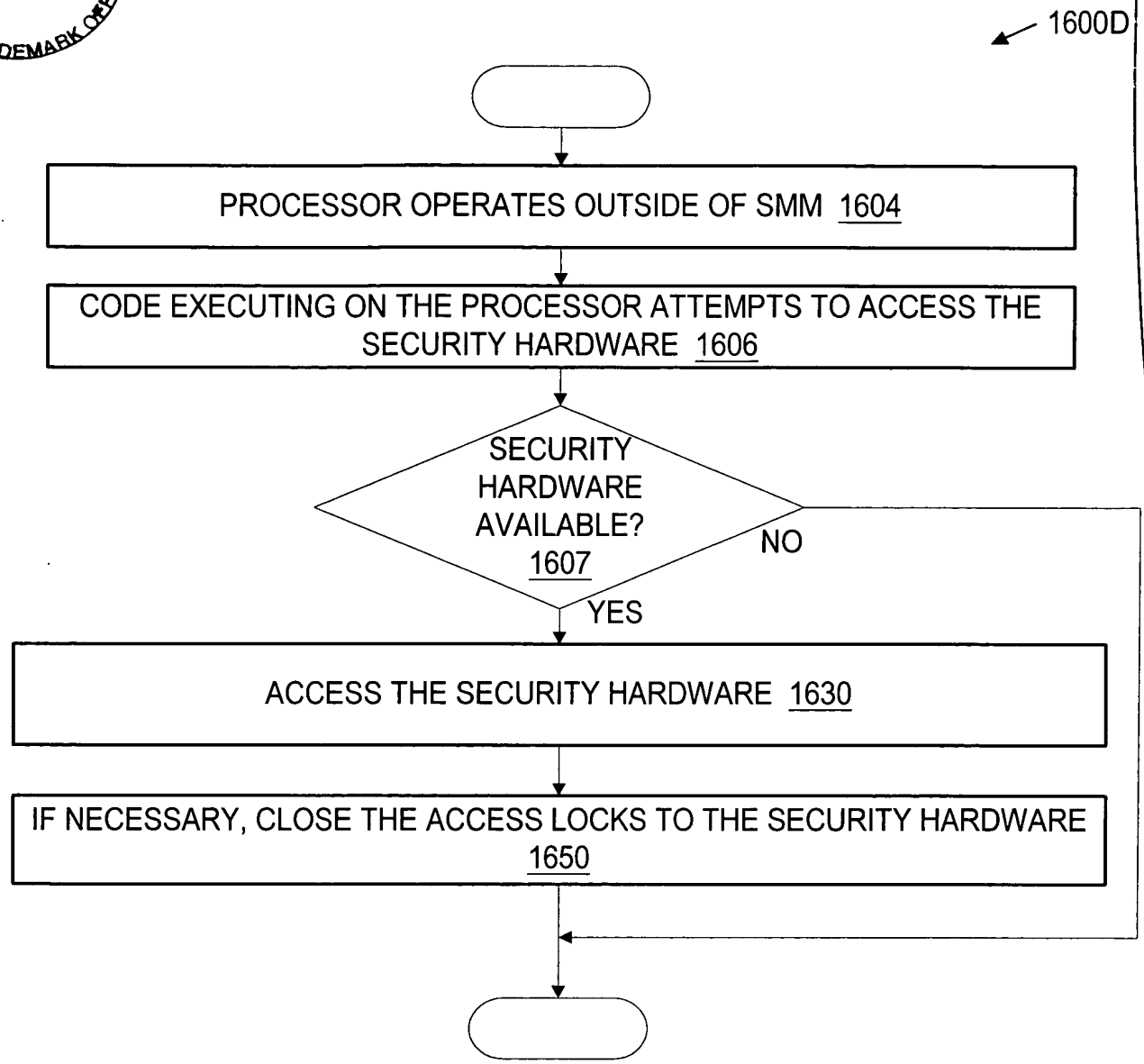

Fig. 16D

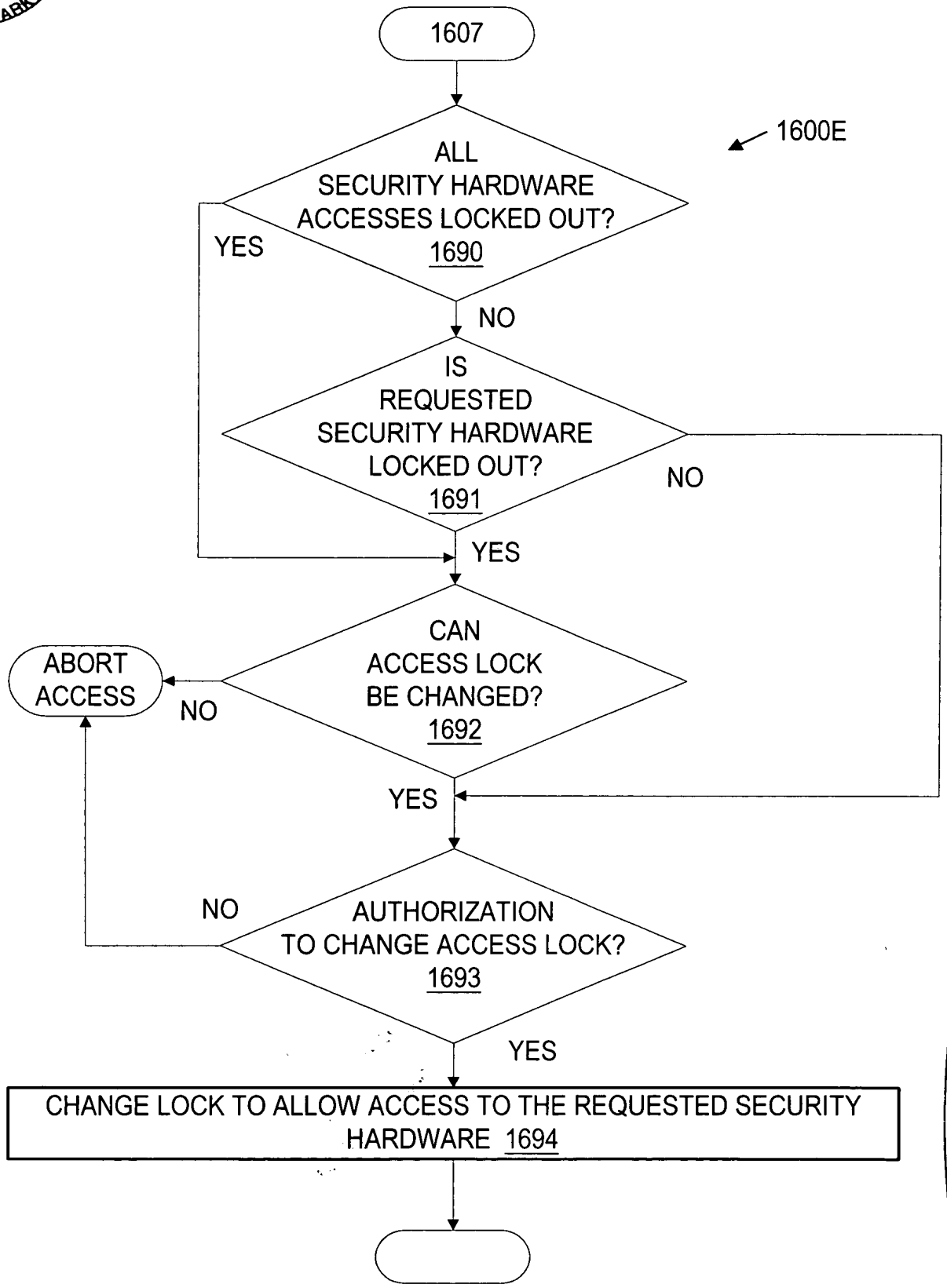

Fig. 16E

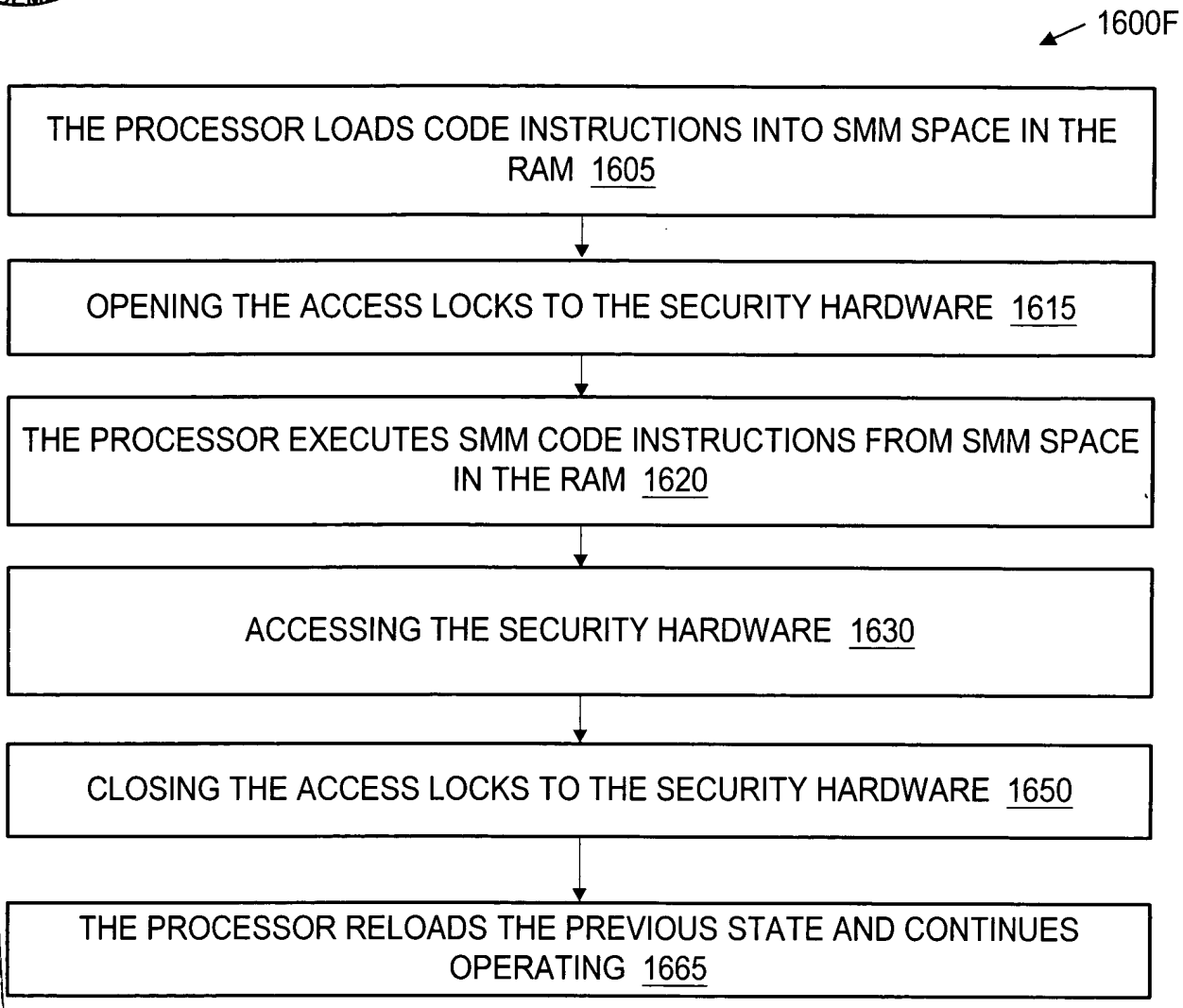

Fig. 16F

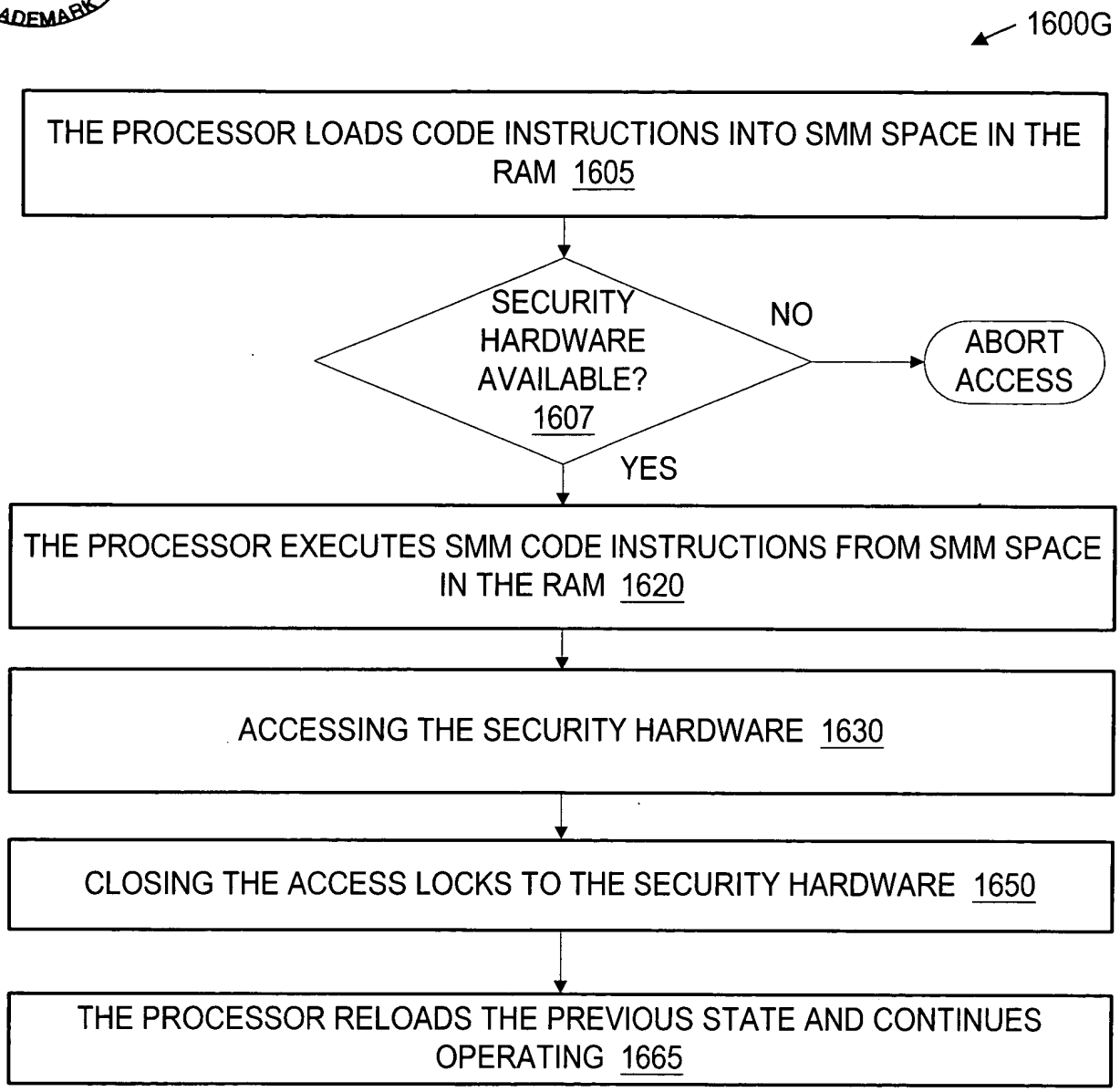

Fig. 16G

460A

SEQUESTER BIT REGISTER 1705

Fig. 17A

460B

SEQUESTER REGISTERS 1710

Fig. 17B

ACCESS LOCKS 460C

ONE OR MORE SEQUESTER REGISTERS 1715A

ONE OR MORE SEQUESTER REGISTERS 1715B

ONE OR MORE SEQUESTER REGISTERS 1715N

Fig. 17C

OAR OVERRIDE 445

OAR LOCK OVERRIDE BIT 1750

CHANGE OAR LOCK OVERRIDE BIT 1755

Fig. 17D

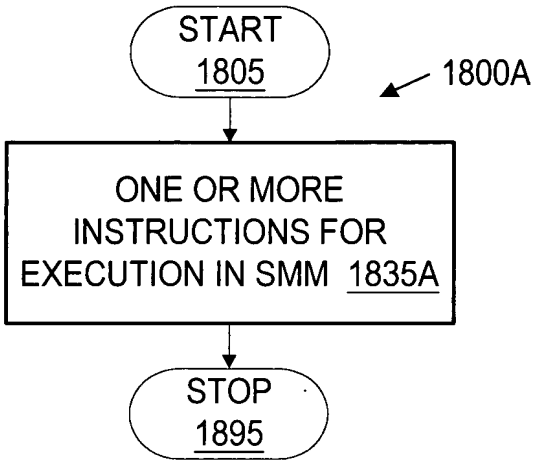

Fig. 18A
PRIOR ART

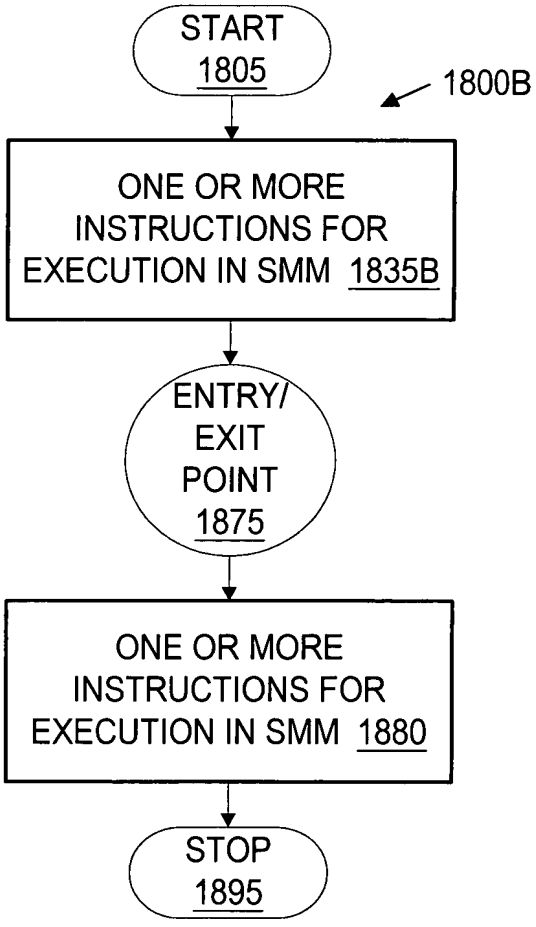

Fig. 18B

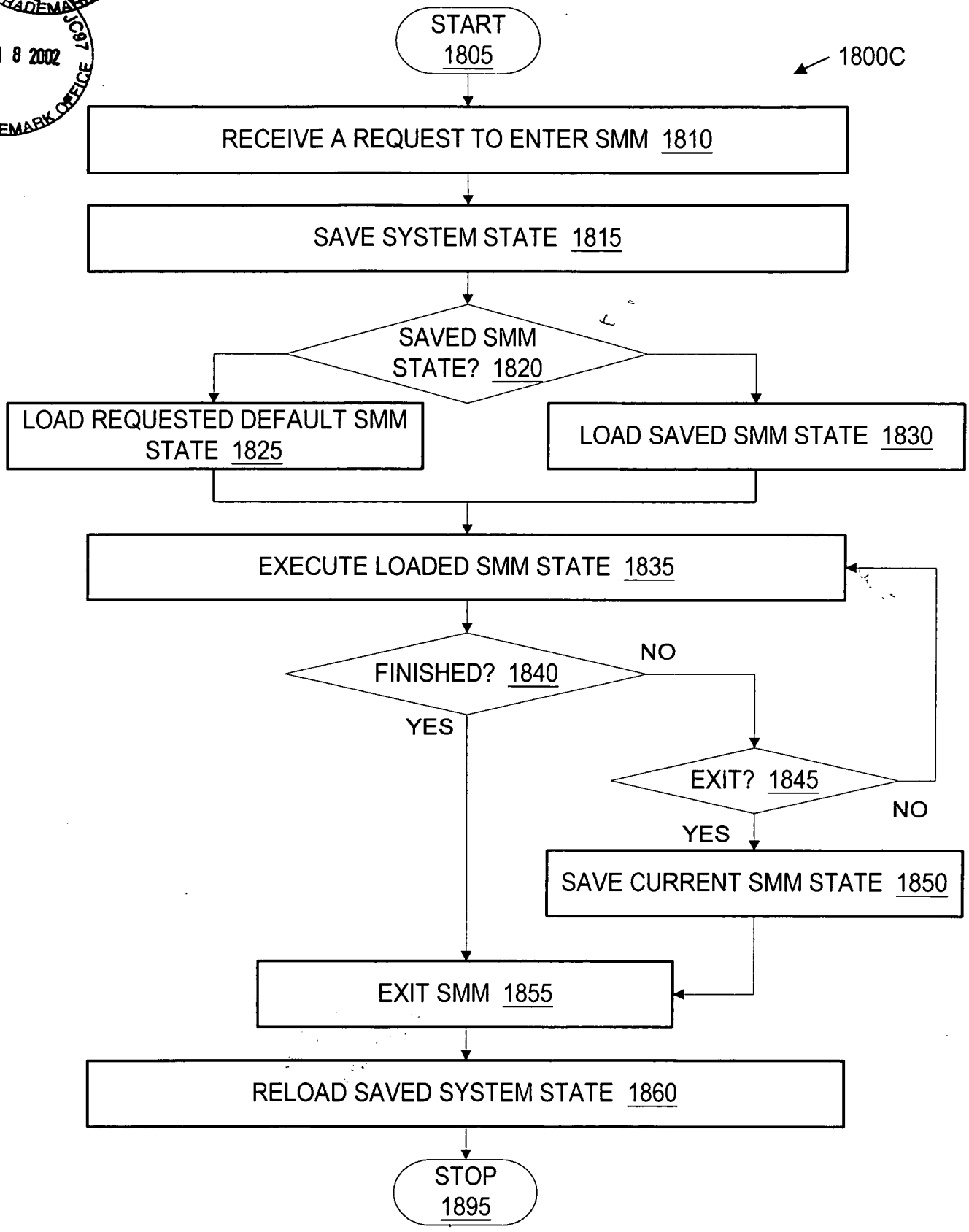

Fig. 18C

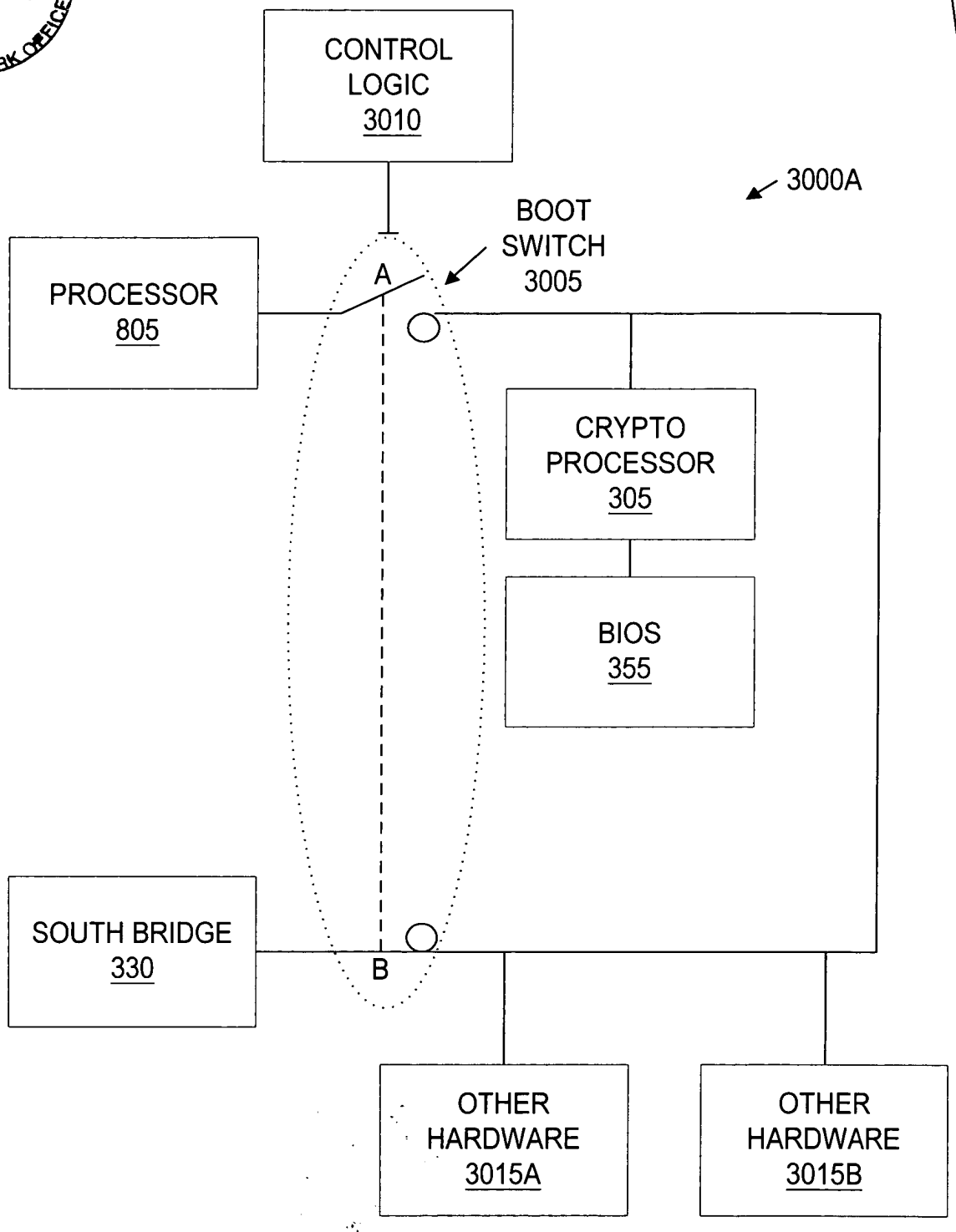

Fig. 19A

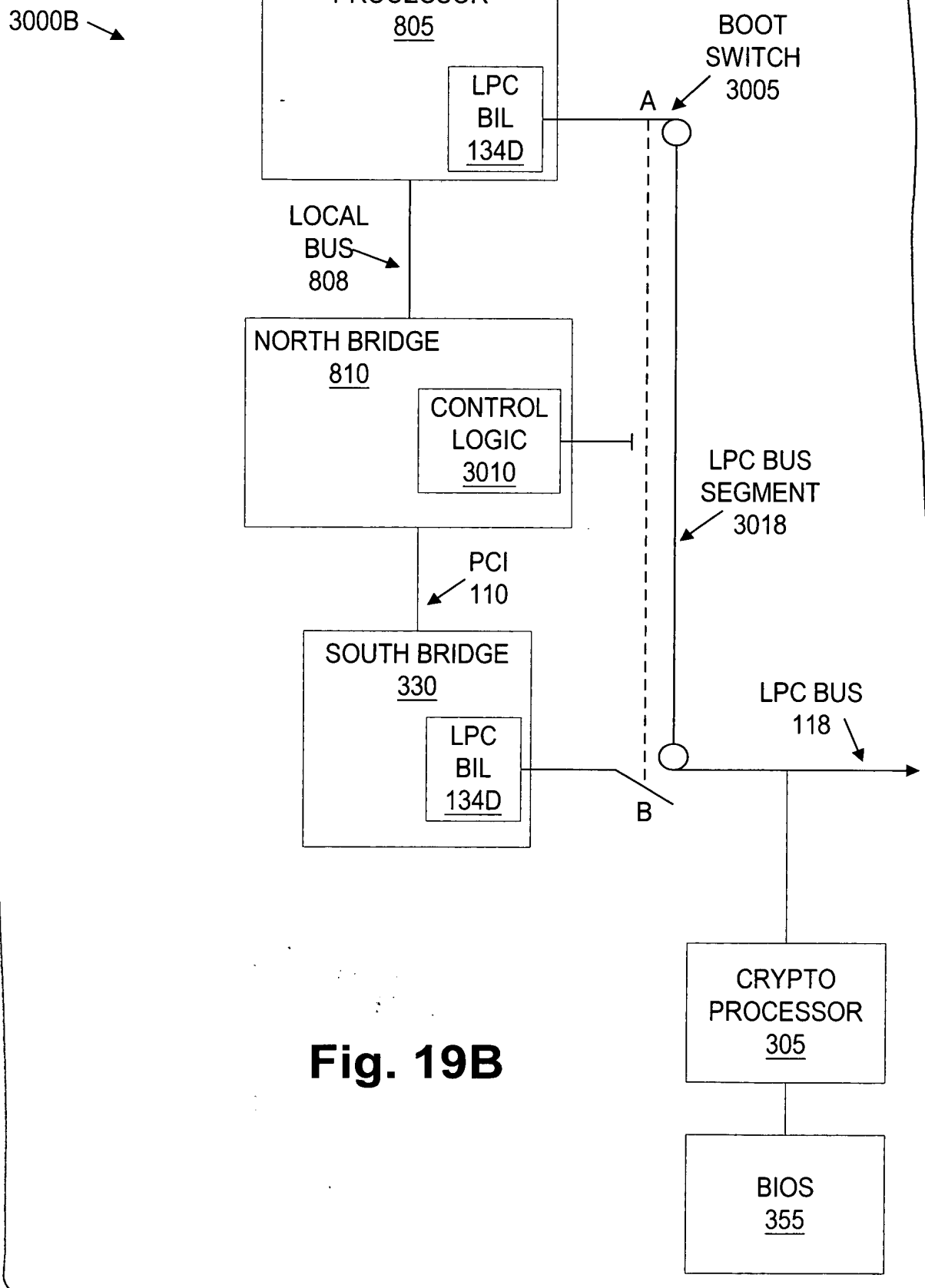

Fig. 19B

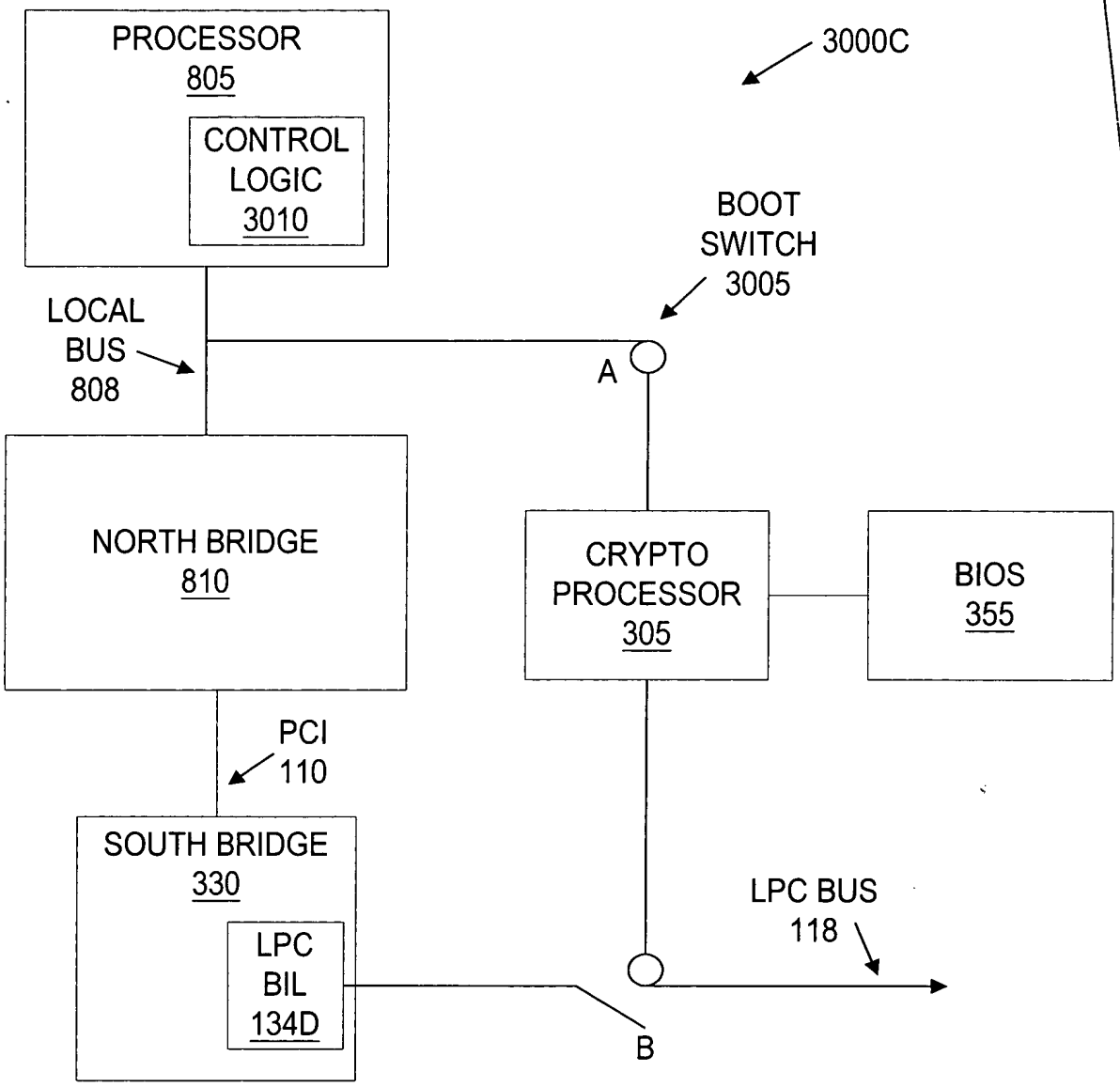

Fig. 19C

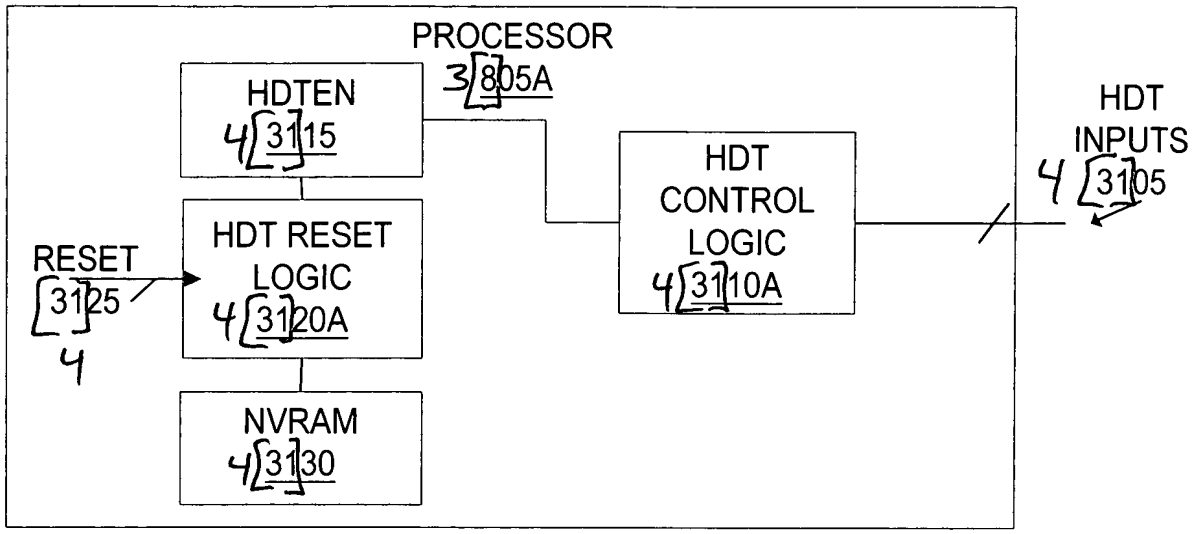

Fig. 20A
4

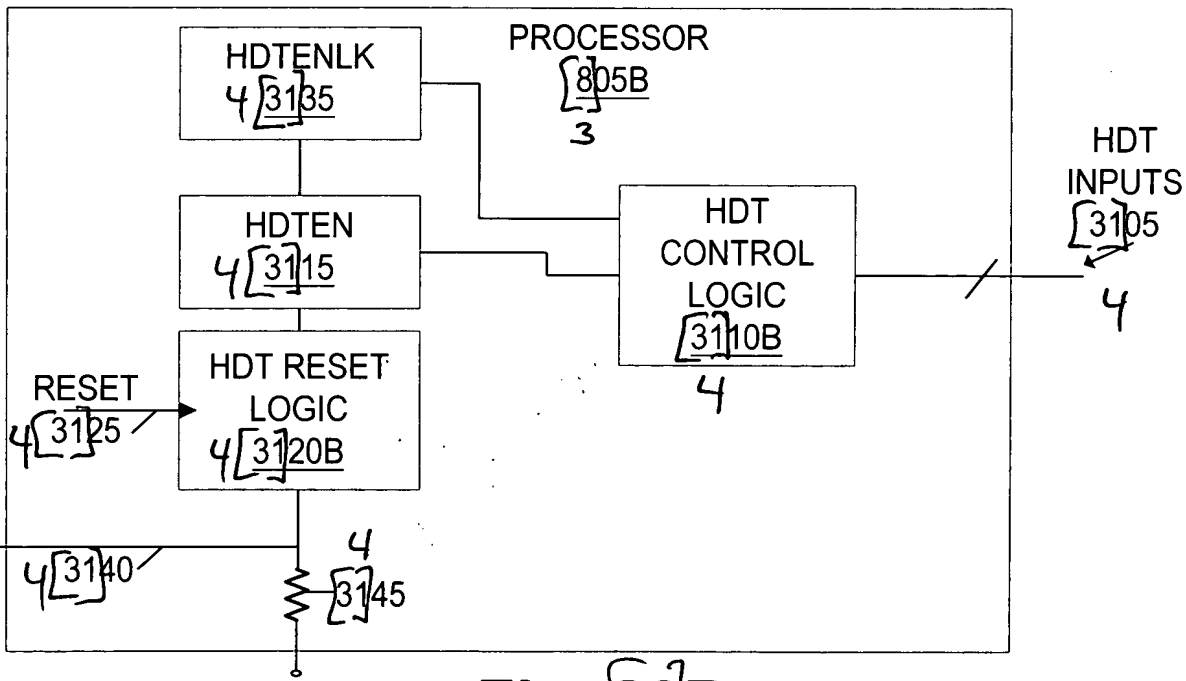

Fig. 20B
4

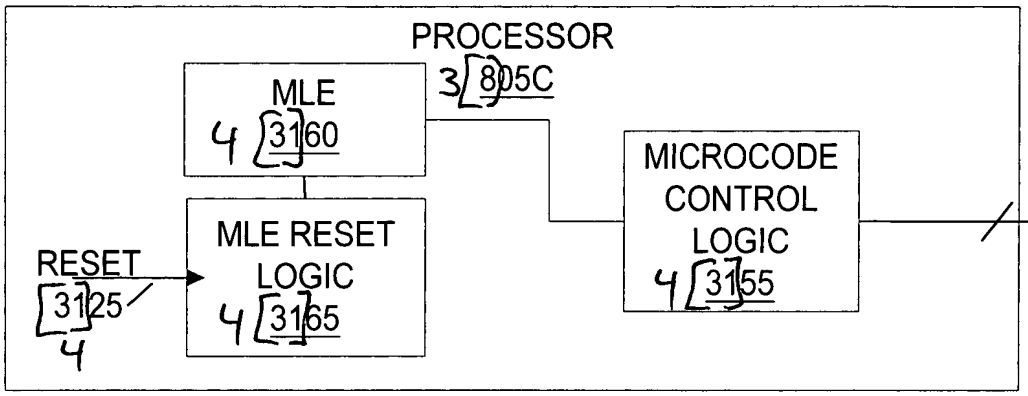

Fig. 20C
4

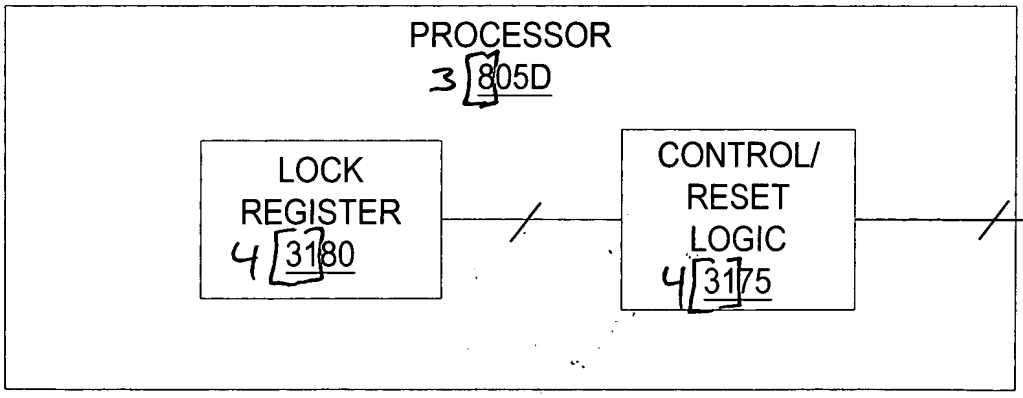

Fig. 20D
4

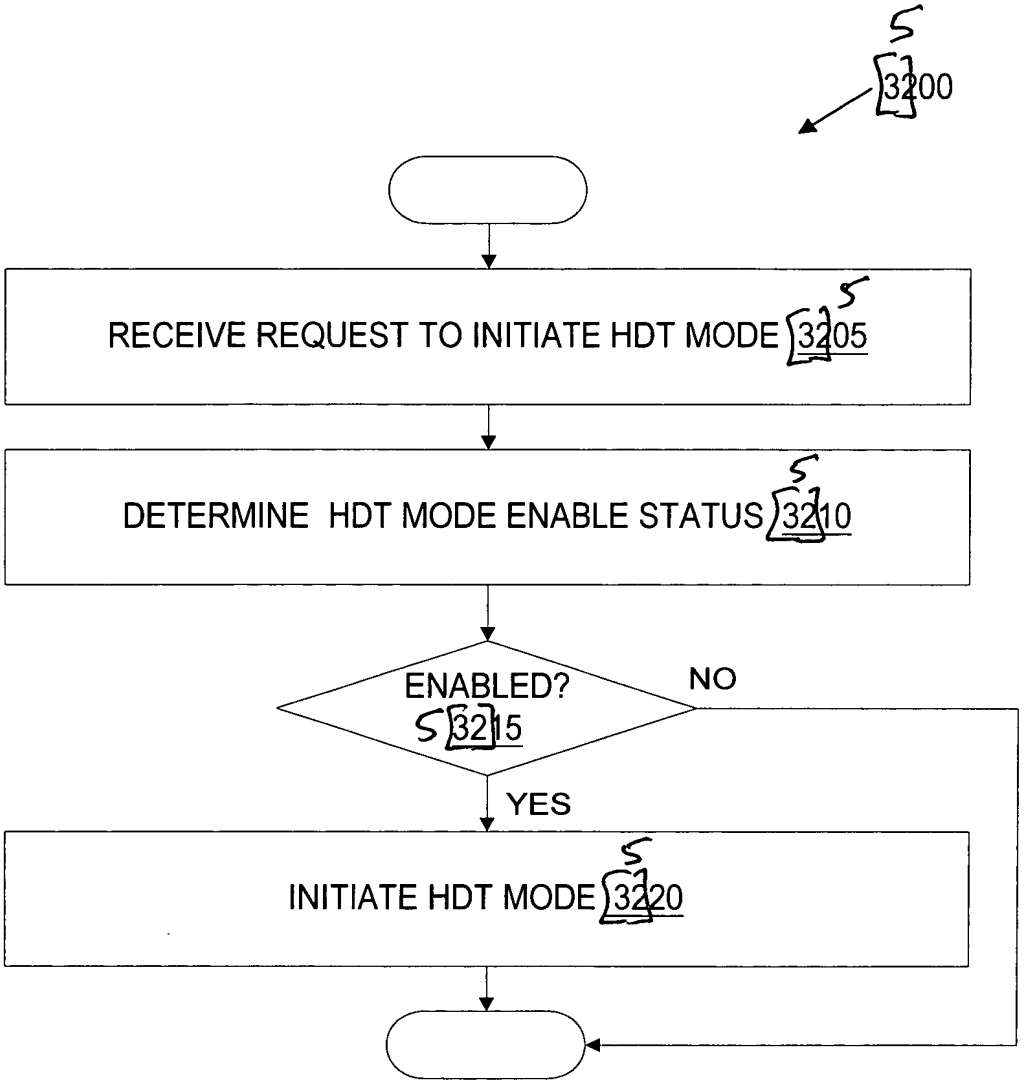

Fig. 21

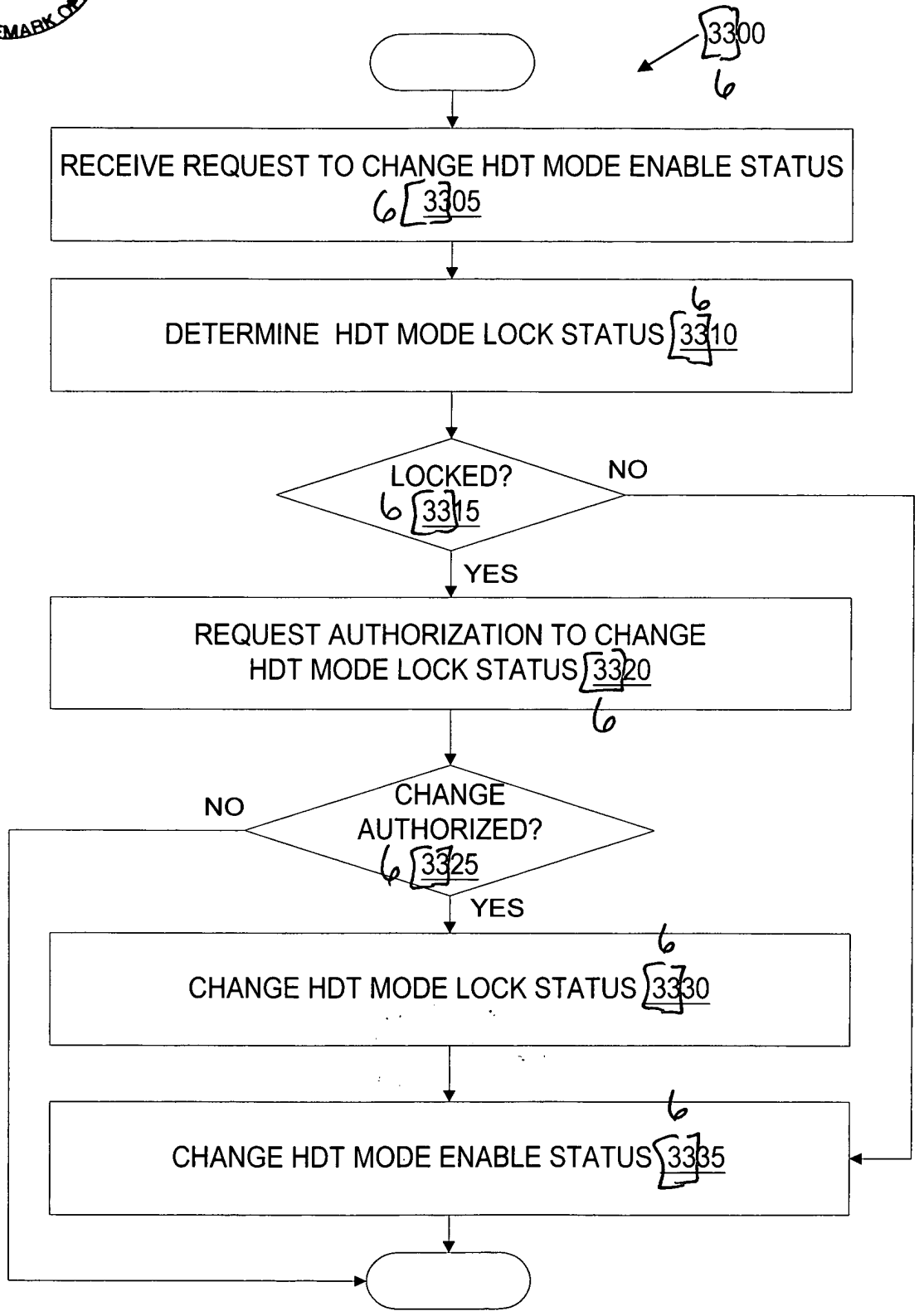

Fig. 22

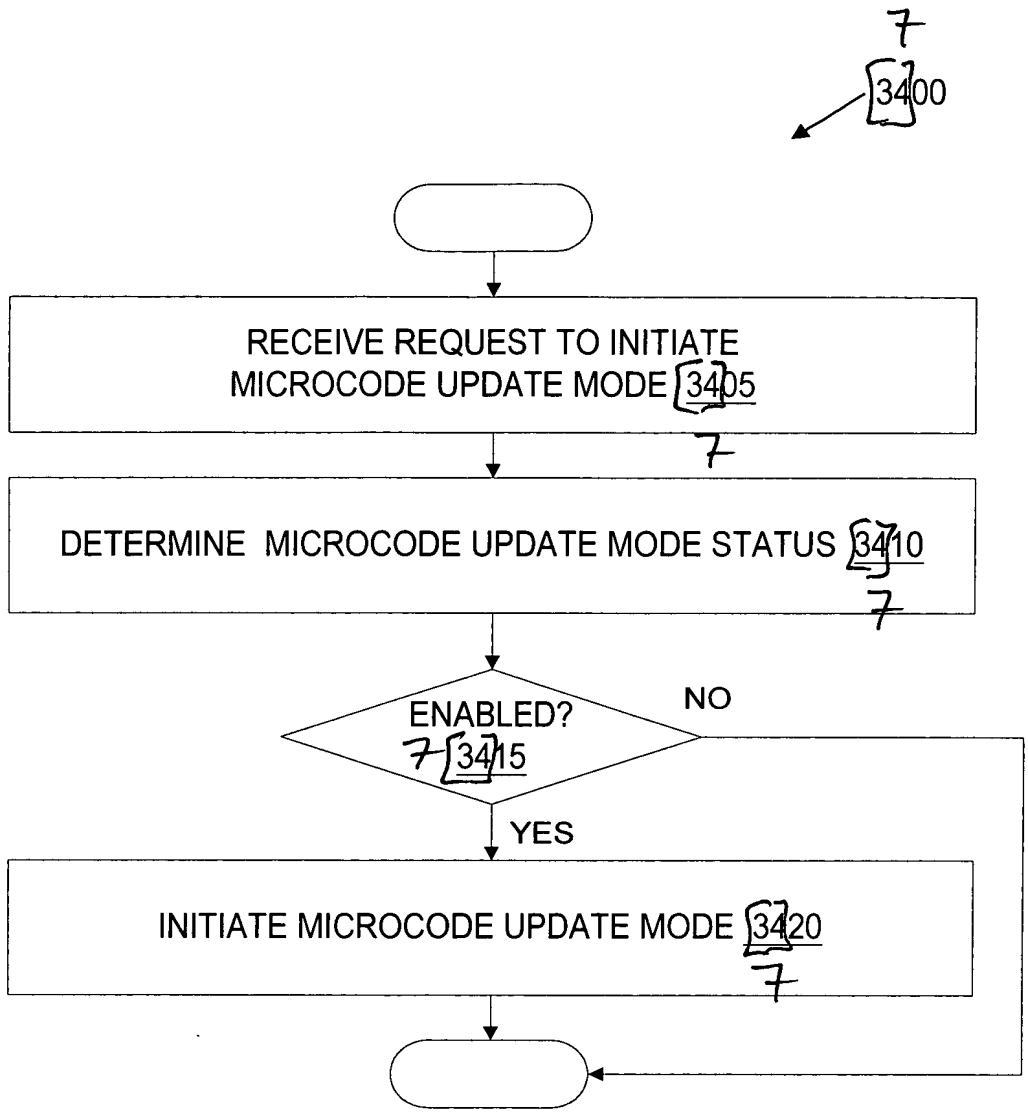

Fig. 23

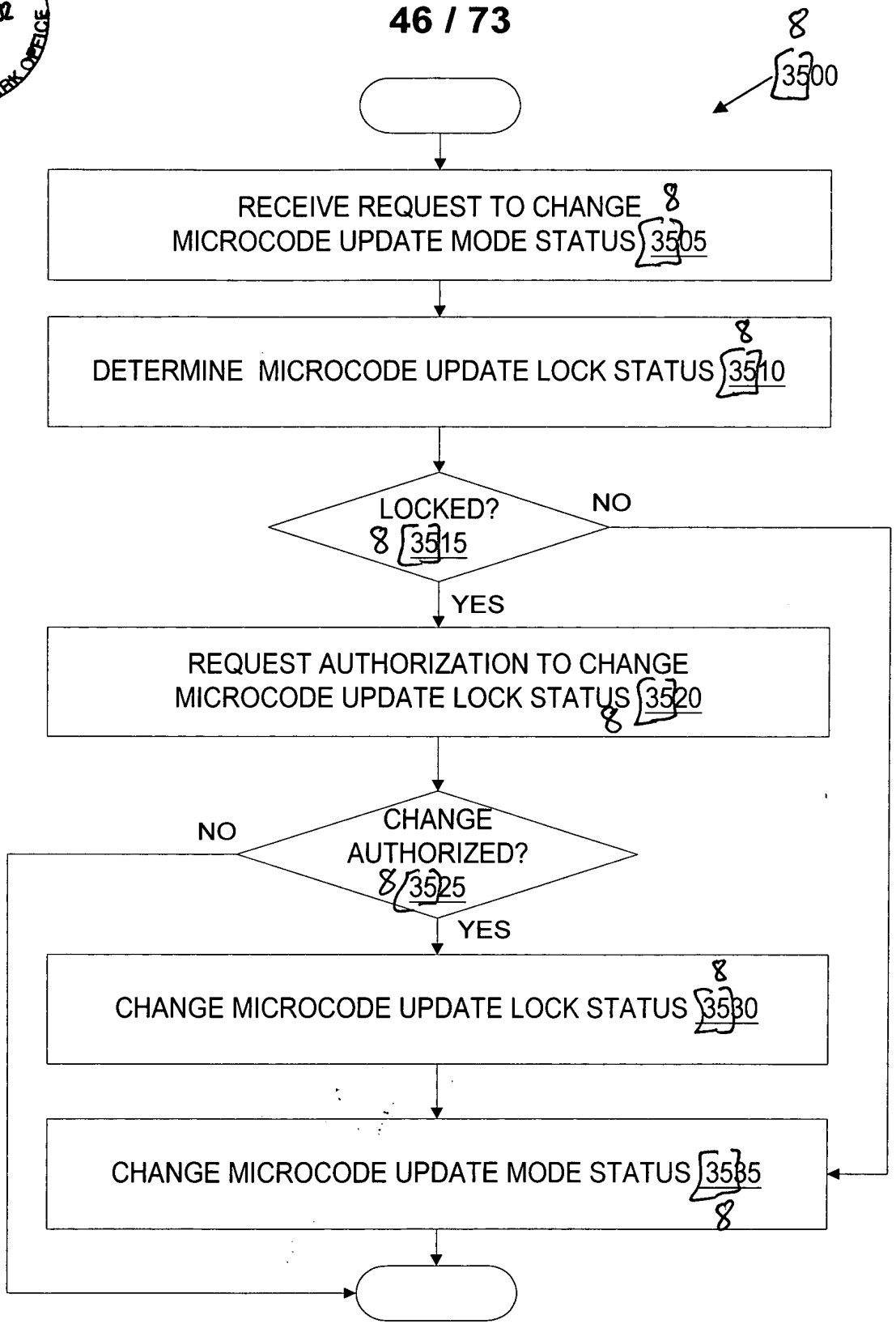

Fig. 24

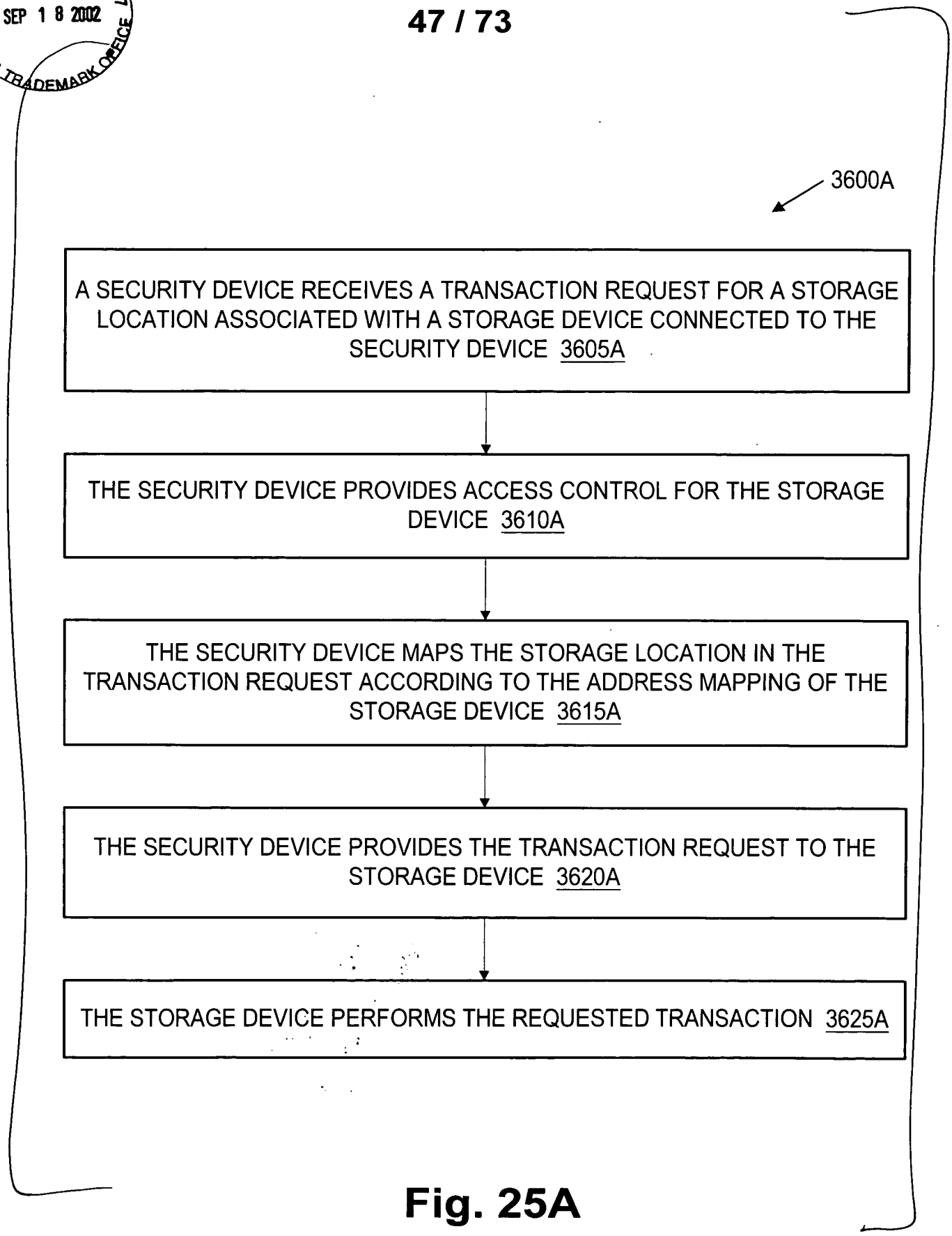

Fig. 25A

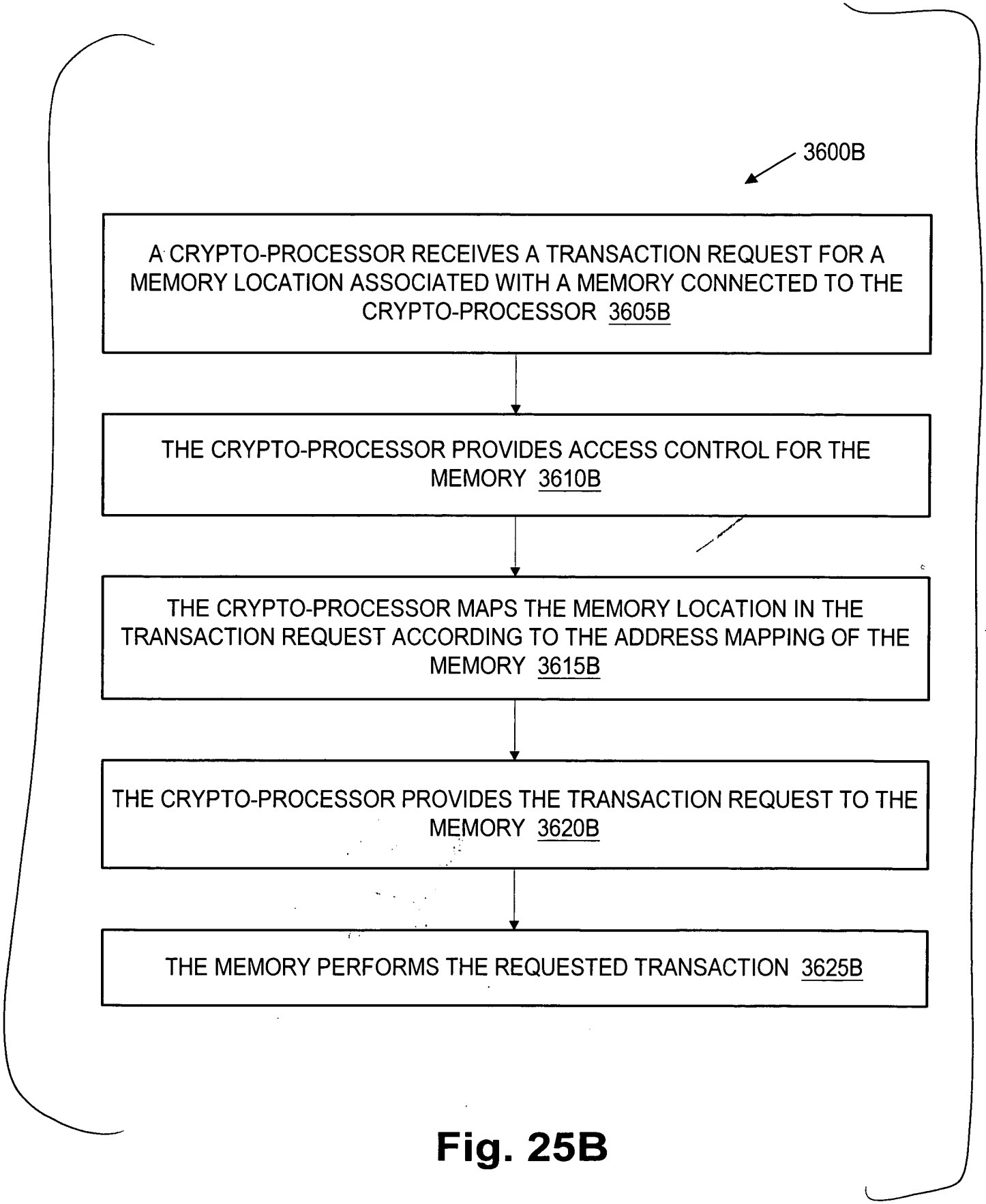

Fig. 25B

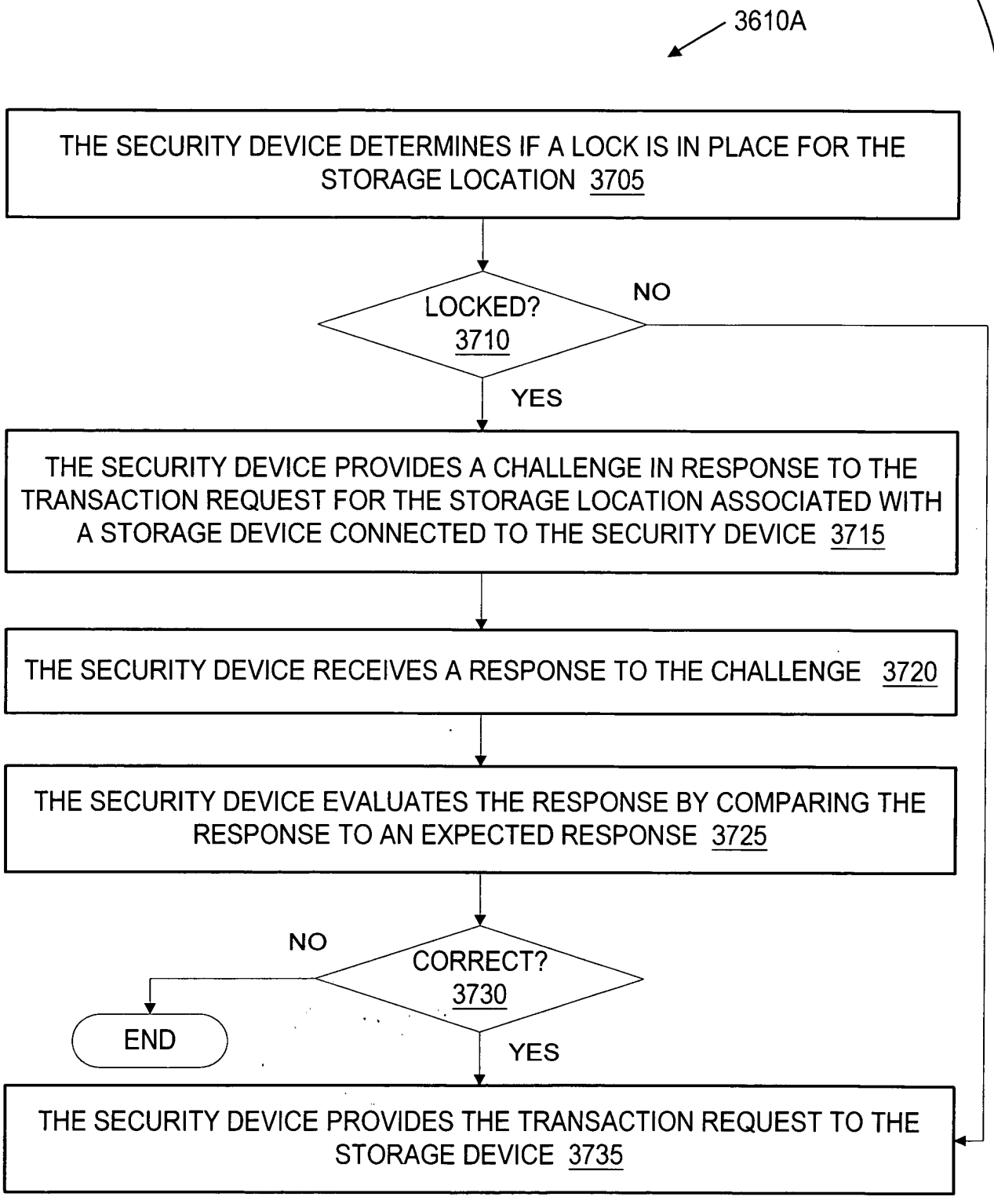

Fig. 26

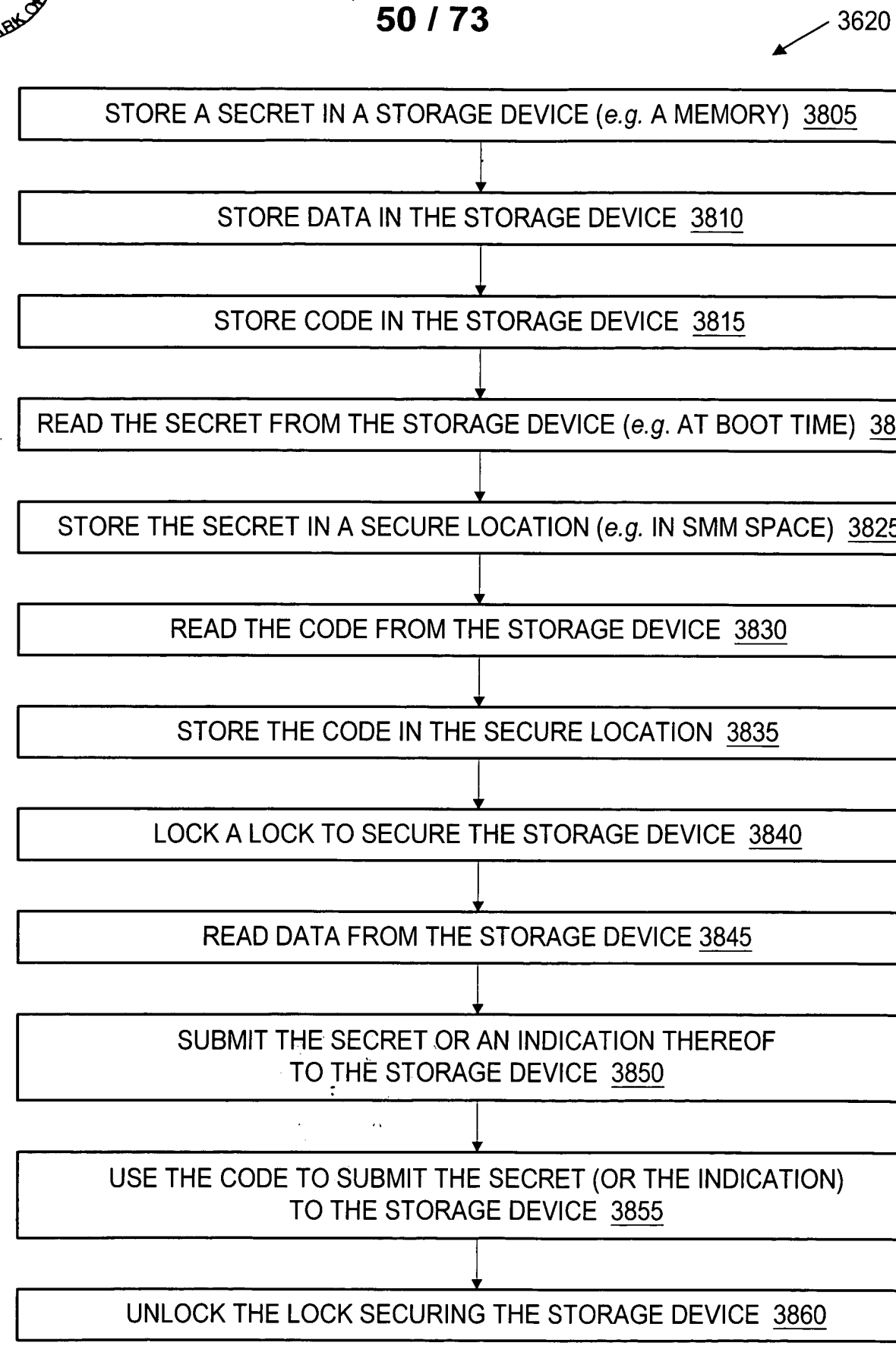

Fig. 27

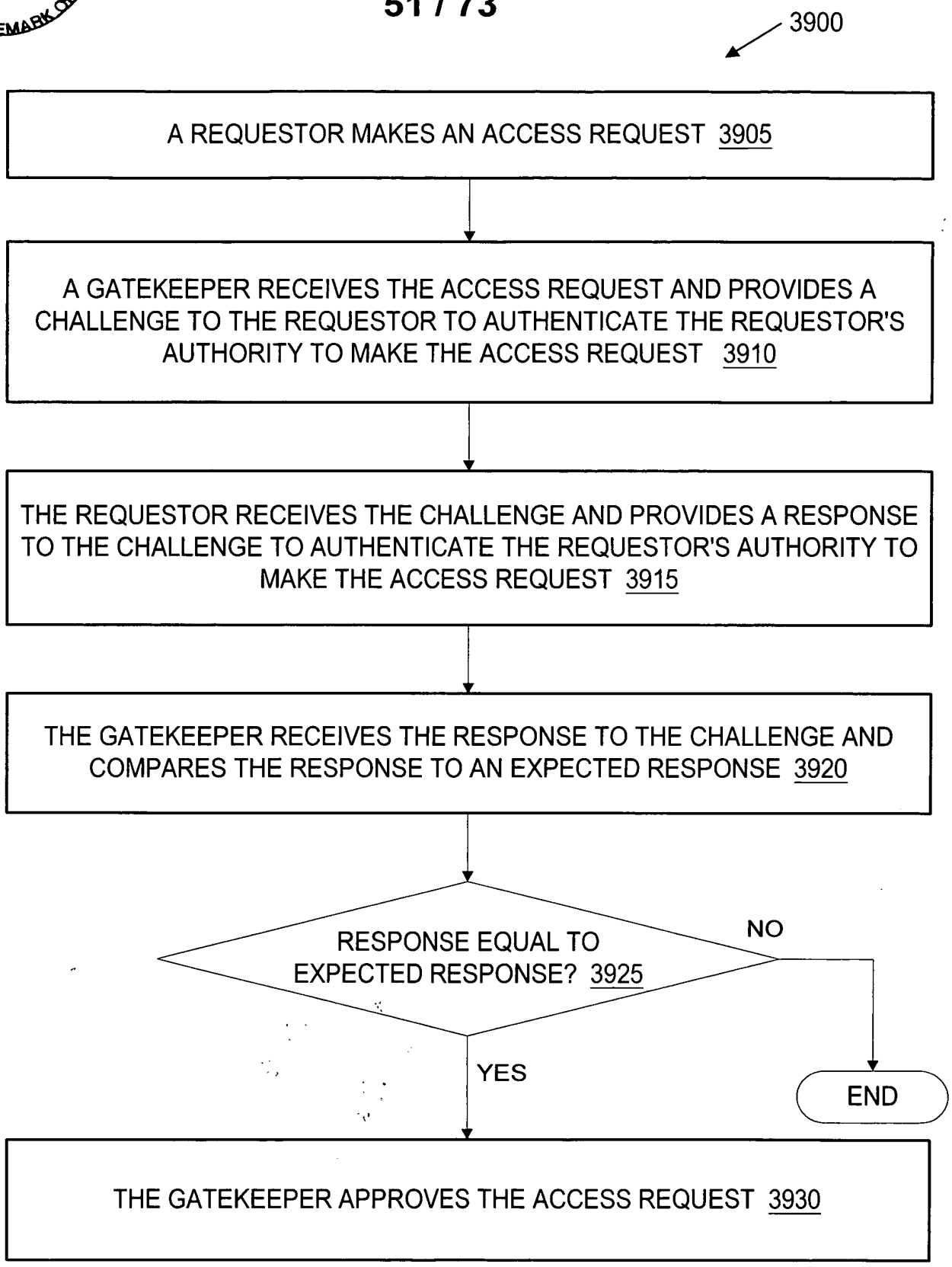

Fig. 28
(Prior Art)

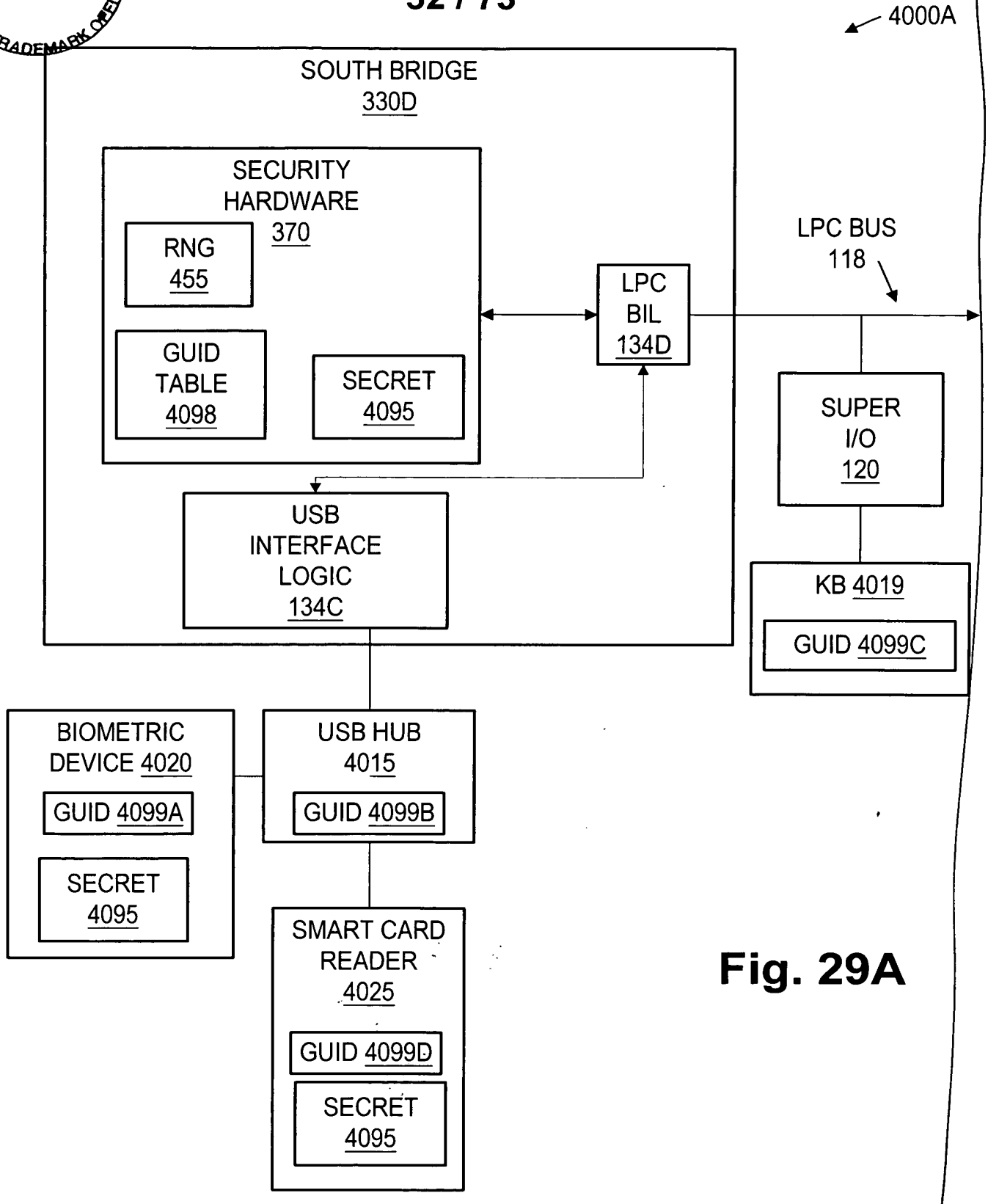

Fig. 29A

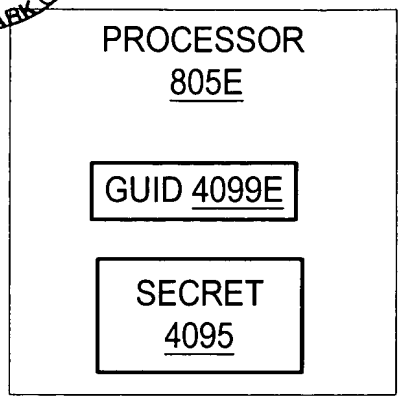

Fig. 29B

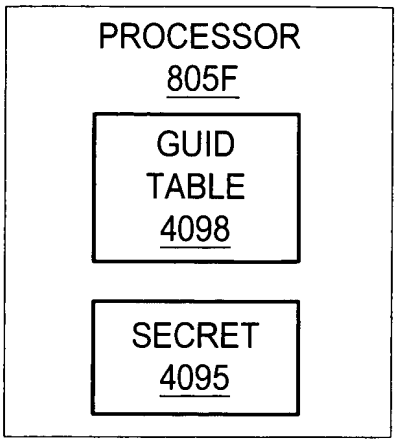

Fig. 29C

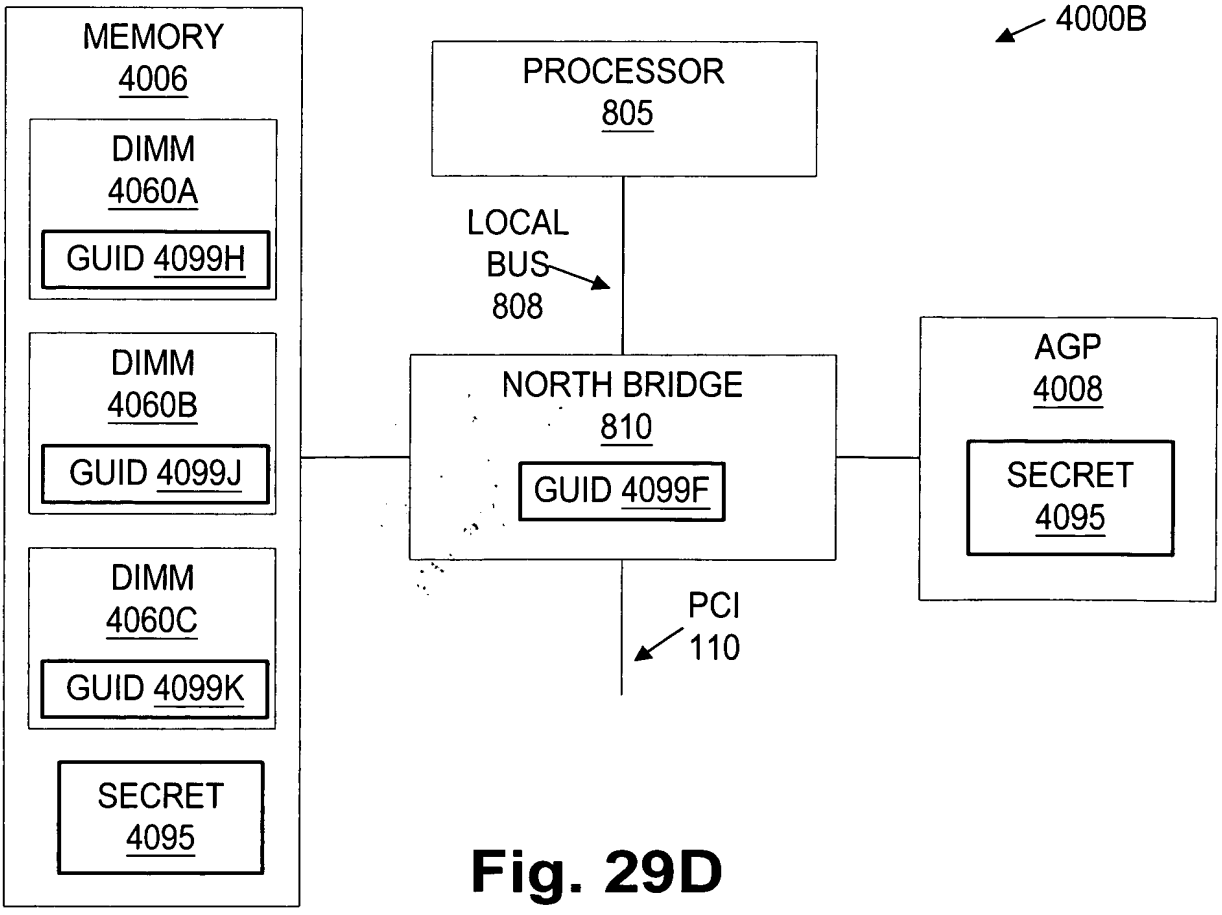

Fig. 29D

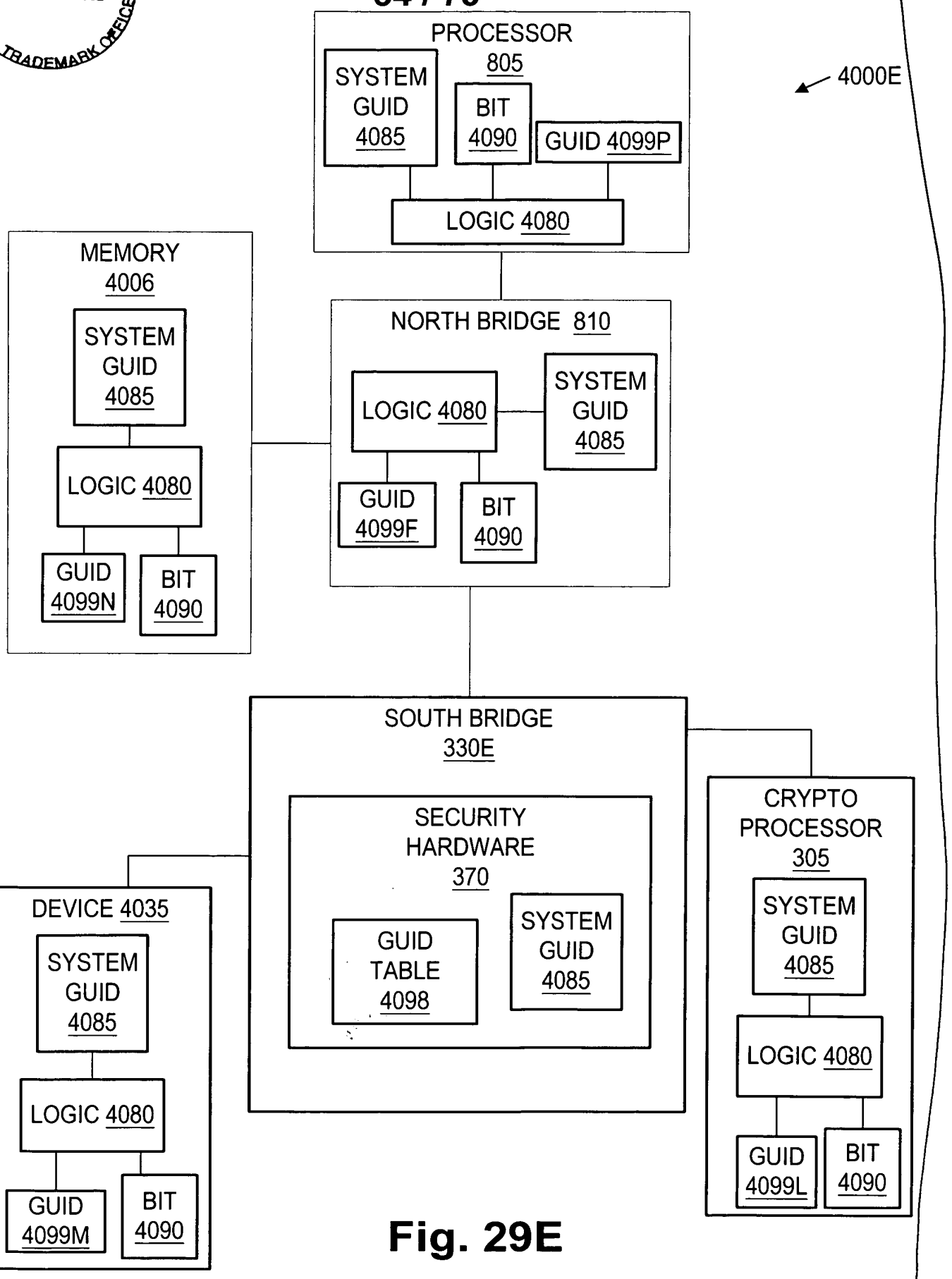

Fig. 29E

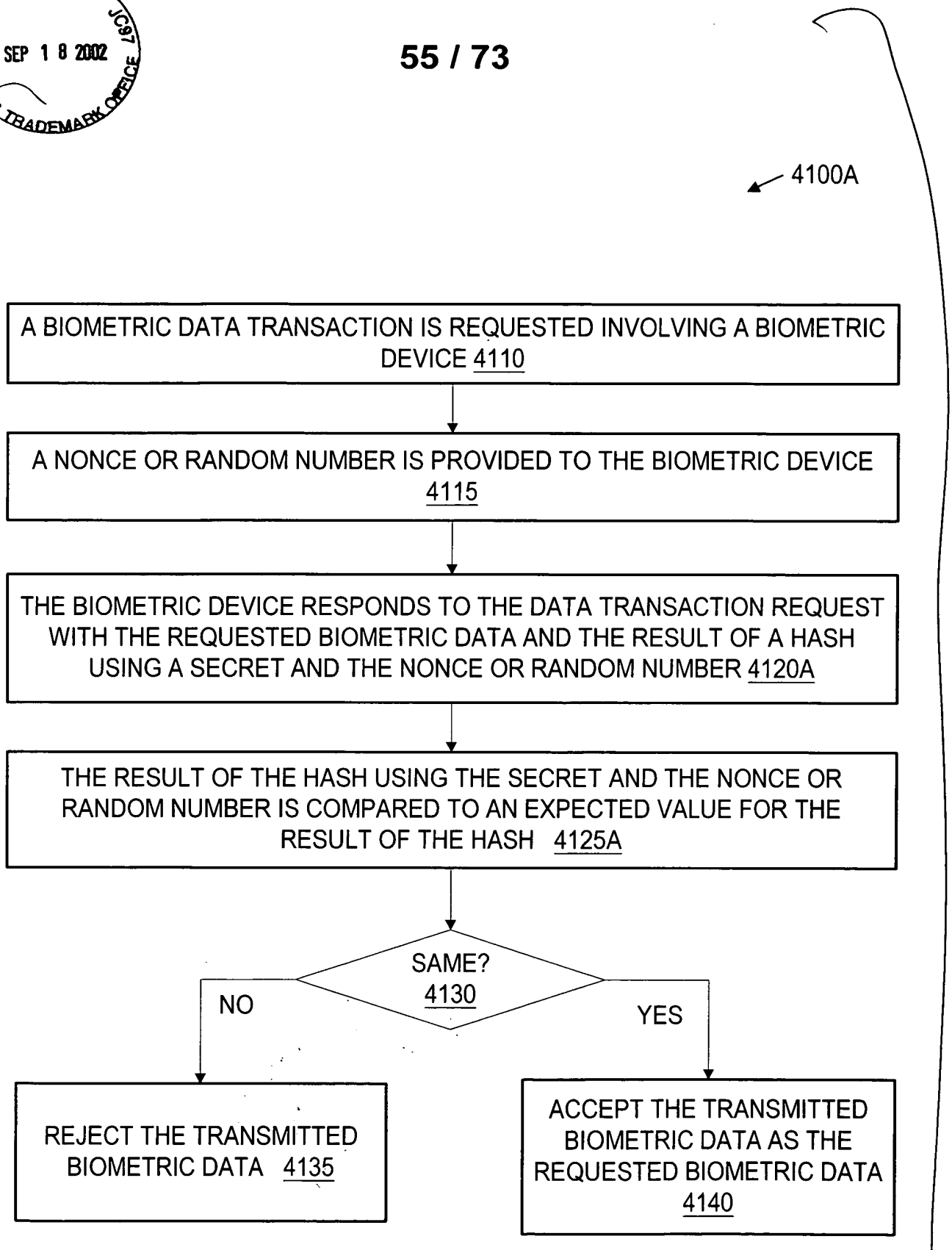

Fig. 30A

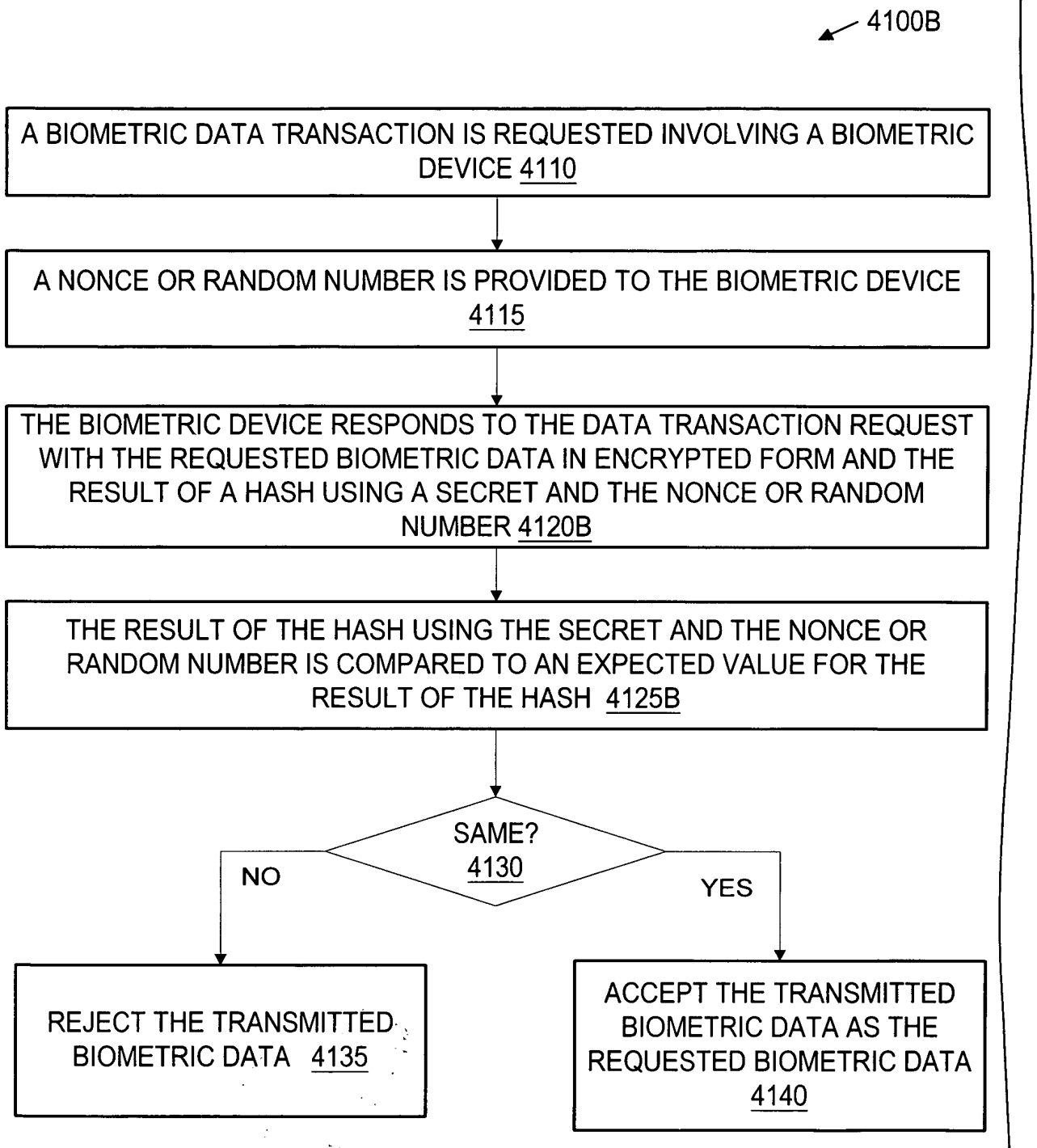

Fig. 30B

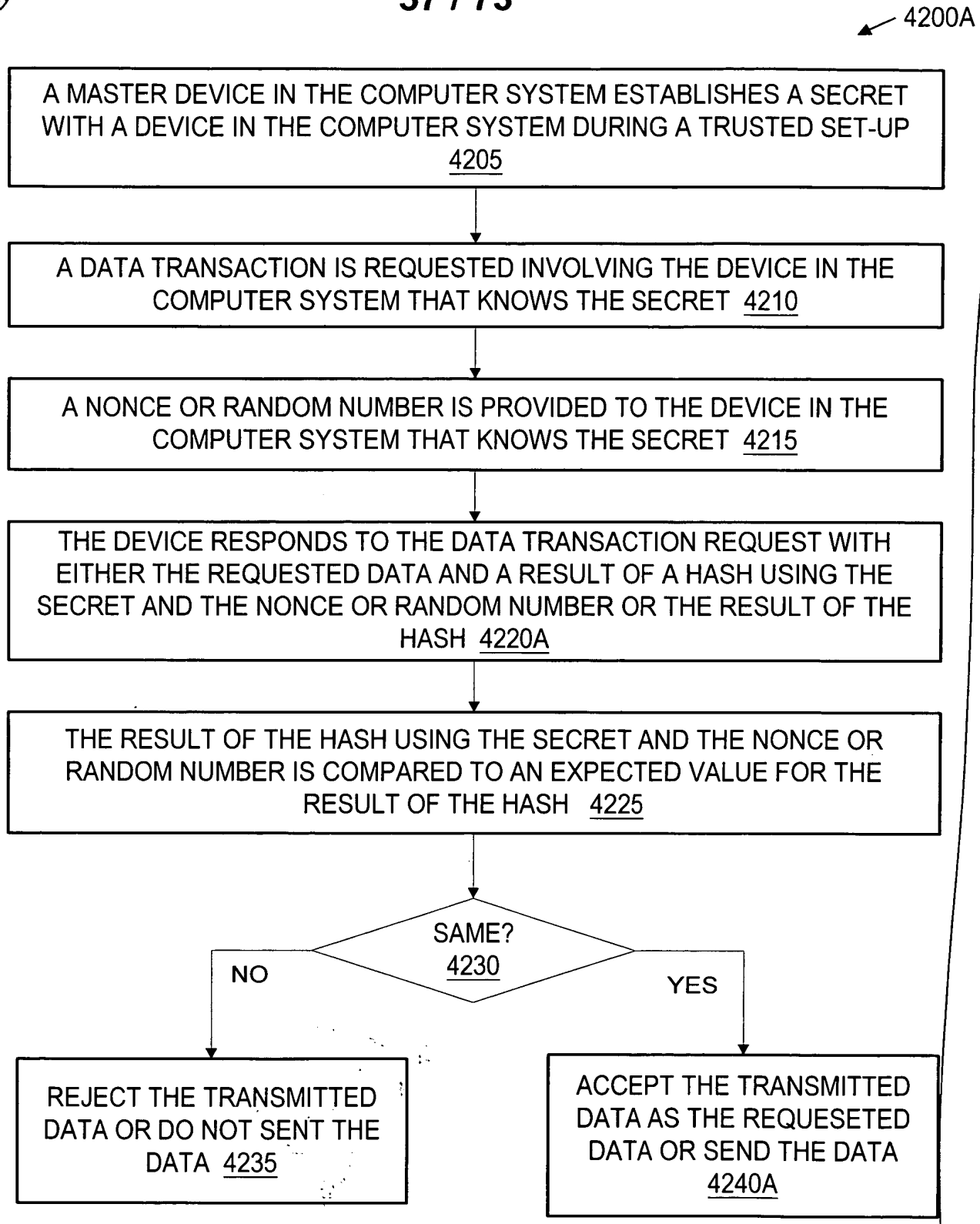

Fig. 31A

4200B

A MASTER DEVICE IN THE COMPUTER SYSTEM ESTABLISHES A SECRET WITH A DEVICE IN THE COMPUTER SYSTEM DURING A TRUSTED SET-UP 4205

A DATA TRANSACTION IS REQUESTED INVOLVING THE DEVICE IN THE COMPUTER SYSTEM THAT KNOWS THE SECRET 4210

A NONCE OR RANDOM NUMBER IS PROVIDED TO THE DEVICE IN THE COMPUTER SYSTEM THAT KNOWS THE SECRET 4215

THE DEVICE RESPONDS TO THE DATA TRANSACTION REQUEST BY EITHER ENCRYPTING THE REQUESTED DATA USING THE SECRET AND THE NONCE OR RANDOM NUMBER AND TRANSMITTING THE ENCRYPTED DATA AND A RESULT OF A HASH USING THE SECRET AND THE NONCE OR RANDOM NUMBER OR TRANSMITTING THE RESULT OF THE HASH 4220B

THE RESULT OF THE HASH USING THE SECRET AND THE NONCE OR RANDOM NUMBER IS COMPARED TO AN EXPECTED VALUE FOR THE RESULT OF THE HASH 4225

SAME? 4230

NO

YES

REJECT THE TRANSMITTED DATA OR DO NOT SENT THE DATA 4235

ACCEPT THE TRANSMITTED DATA AS THE REQUESETED DATA OR ENCRYPT USING THE SECRET AND THE NONCE OR RANDOM NUMBER AND SEND THE ENCRYPTED DATA 4240B

Fig. 31B

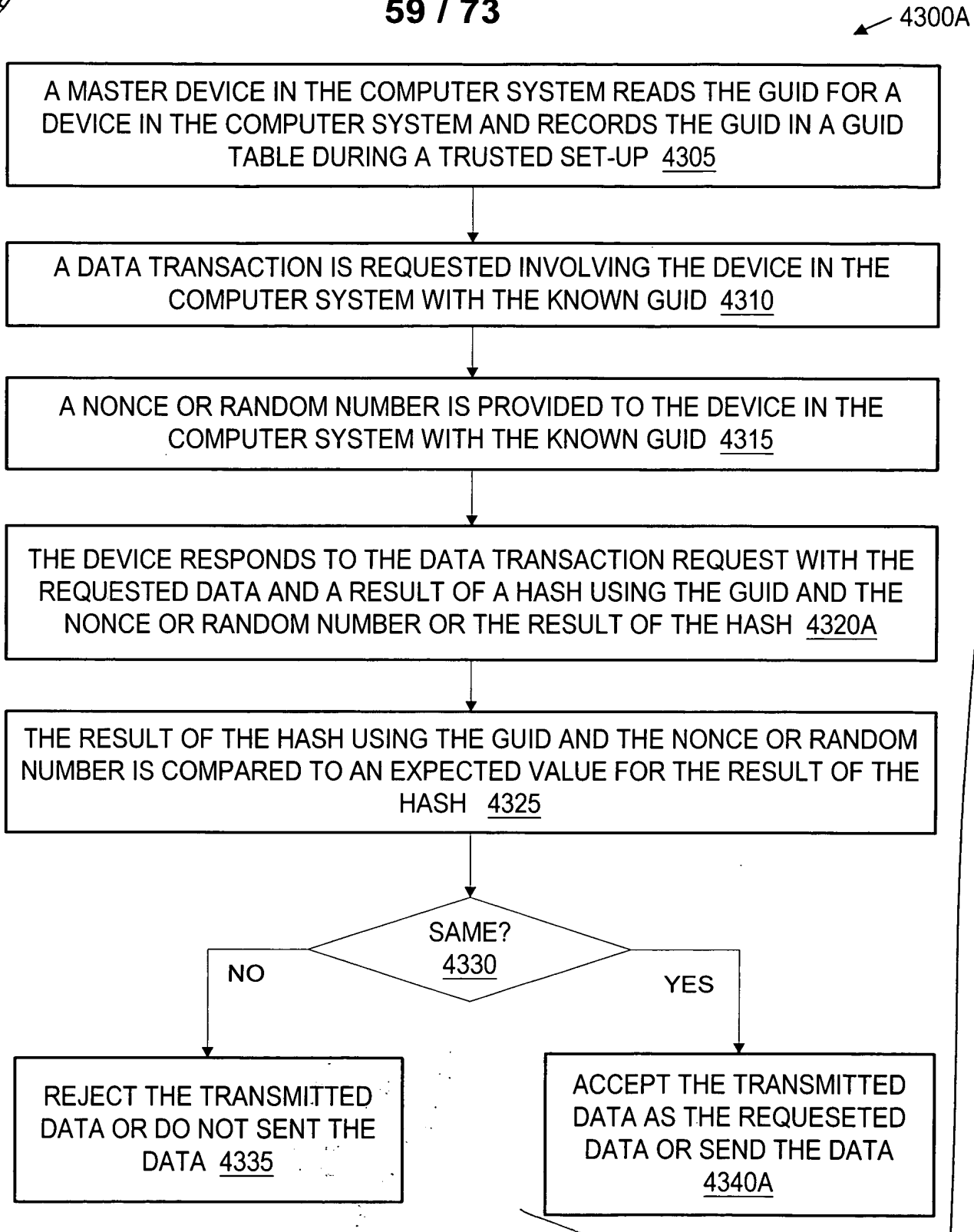

Fig. 32A

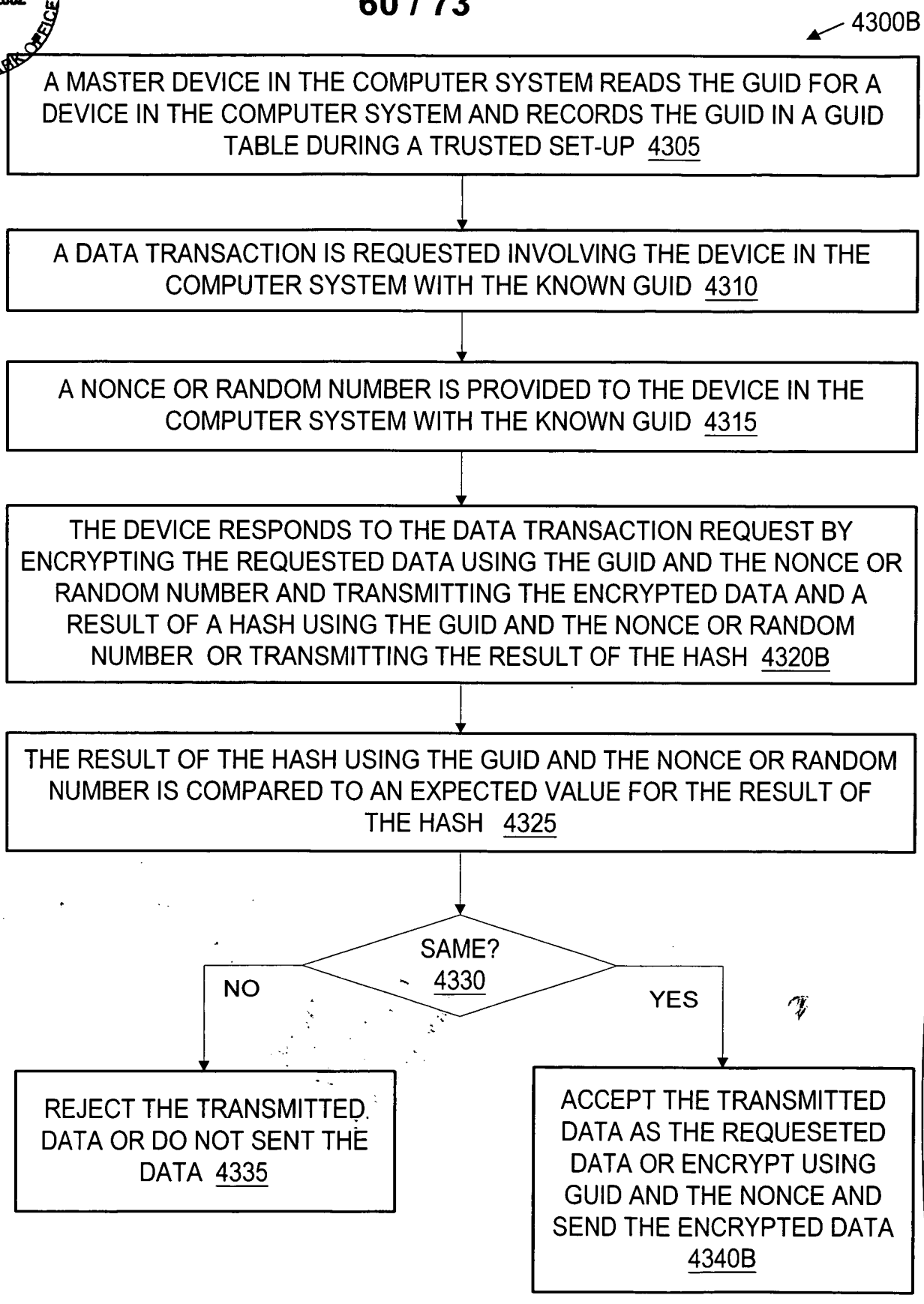

Fig. 32B

4300C

A MASTER DEVICE IN THE COMPUTER SYSTEM READS THE GUID FOR A DEVICE IN THE COMPUTER SYSTEM, RECORDS THE GUID IN A GUID TABLE, AND TRANSMITS A SECRET TO THE DEVICE DURING A TRUSTED SET-UP 4306

A DATA TRANSACTION IS REQUESTED INVOLVING THE DEVICE IN THE COMPUTER SYSTEM WITH THE KNOWN GUID THAT KNOWS THE SECRET 4311

A NONCE OR RANDOM NUMBER IS PROVIDED TO THE DEVICE IN THE COMPUTER SYSTEM WITH THE KNOWN GUID THAT KNOWS THE SECRET 4316

THE DEVICE RESPONDS TO THE DATA TRANSACTION REQUEST BY ENCRYPTING THE REQUESTED DATA USING THE SECRET, THE GUID, AND THE NONCE OR RANDOM NUMBER AND TRANSMITTING THE ENCRYPTED DATA AND A RESULT OF A HASH USING THE SECRET, THE GUID, AND THE NONCE OR RANDOM NUMBER OR TRANSMITTING THE RESULT OF THE HASH 4320C

THE RESULT OF THE HASH USING THE SECRET, THE GUID, AND THE NONCE OR RANDOM NUMBER IS COMPARED TO AN EXPECTED VALUE FOR THE RESULT OF THE HASH 4326

SAME? 4330

NO

YES

REJECT THE TRANSMITTED DATA OR DO NOT SENT THE DATA 4335

ACCEPT THE TRANSMITTED DATA AS THE REQUESETED DATA OR ENCRYPT USING THE SECRET, THE GUID, AND THE NONCE AND SEND THE ENCRYPTED DATA 4340C

Fig. 32C

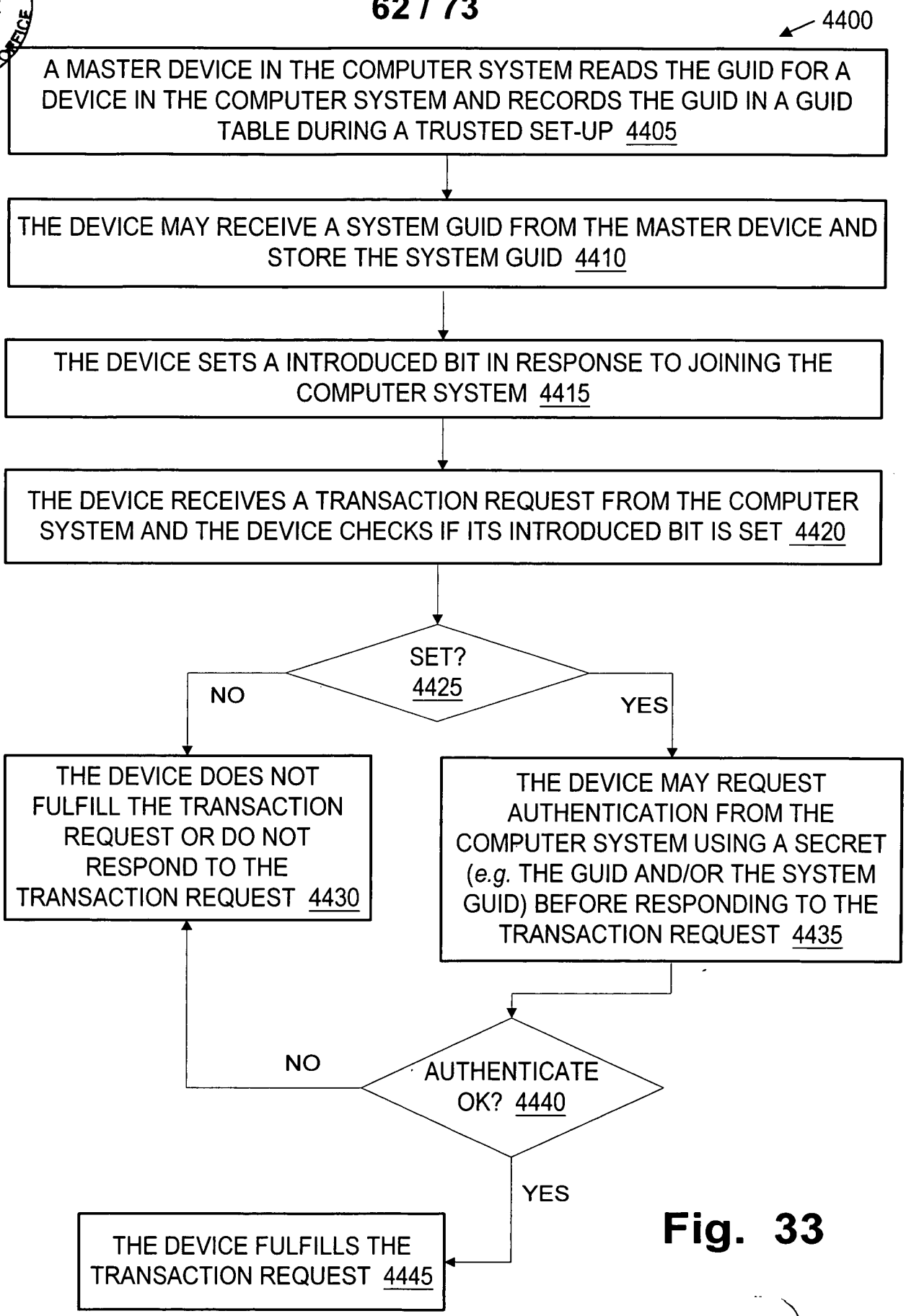

Fig. 33

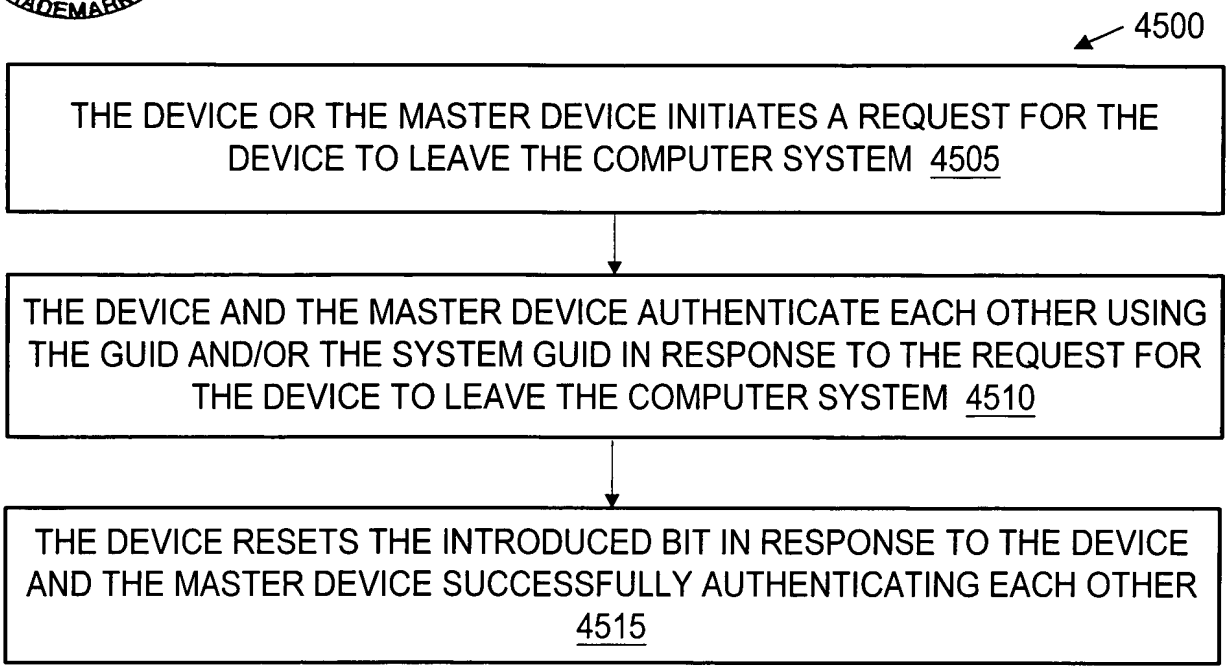

Fig. 34

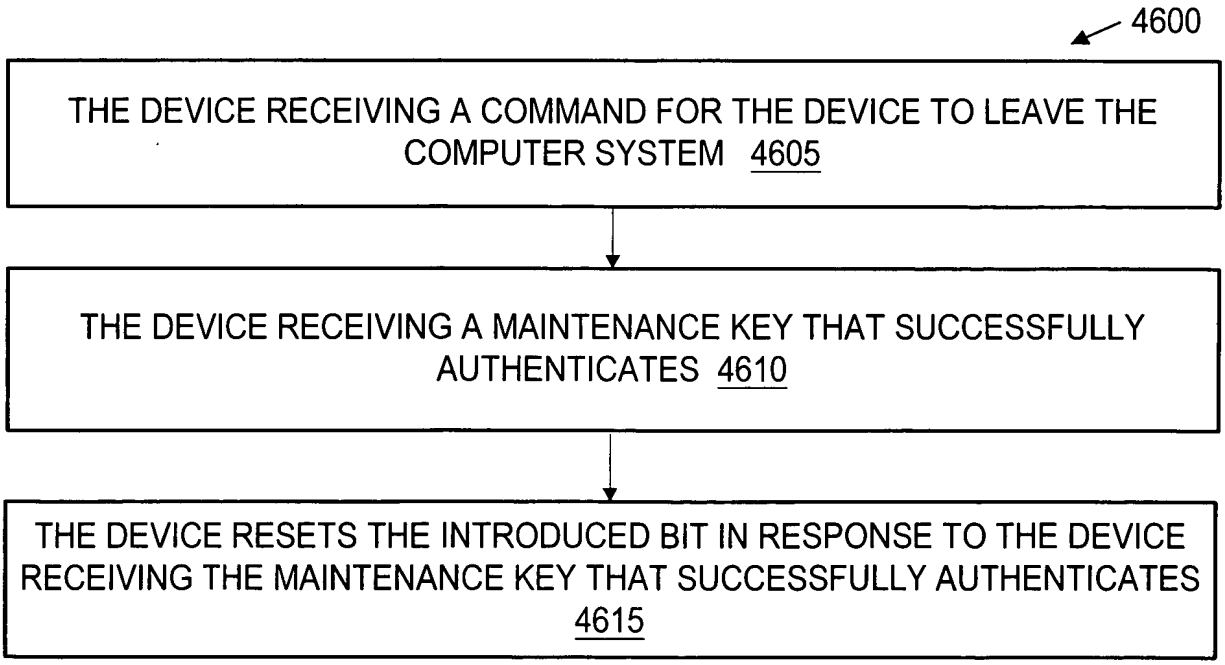

Fig. 35

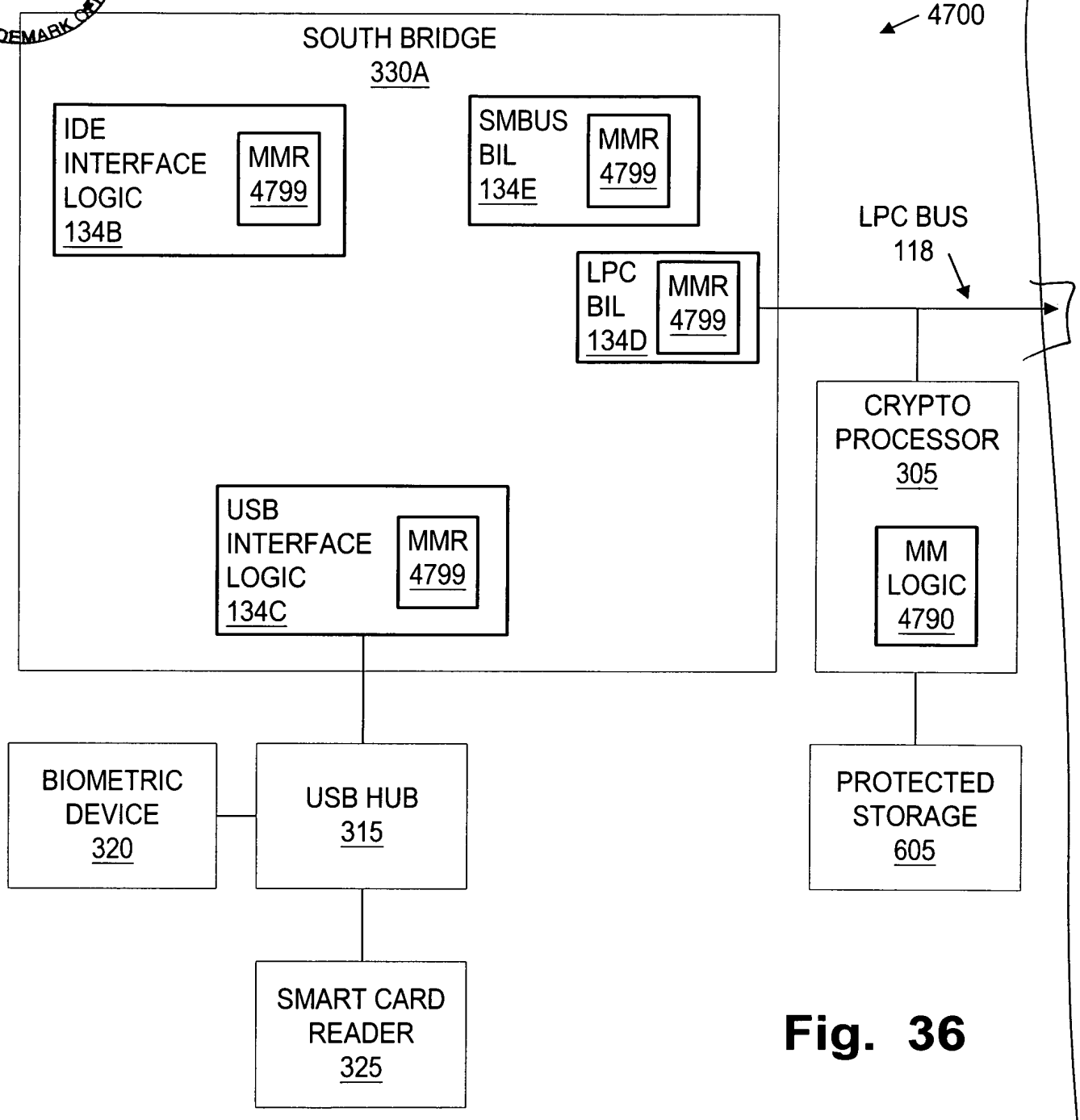

Fig. 36

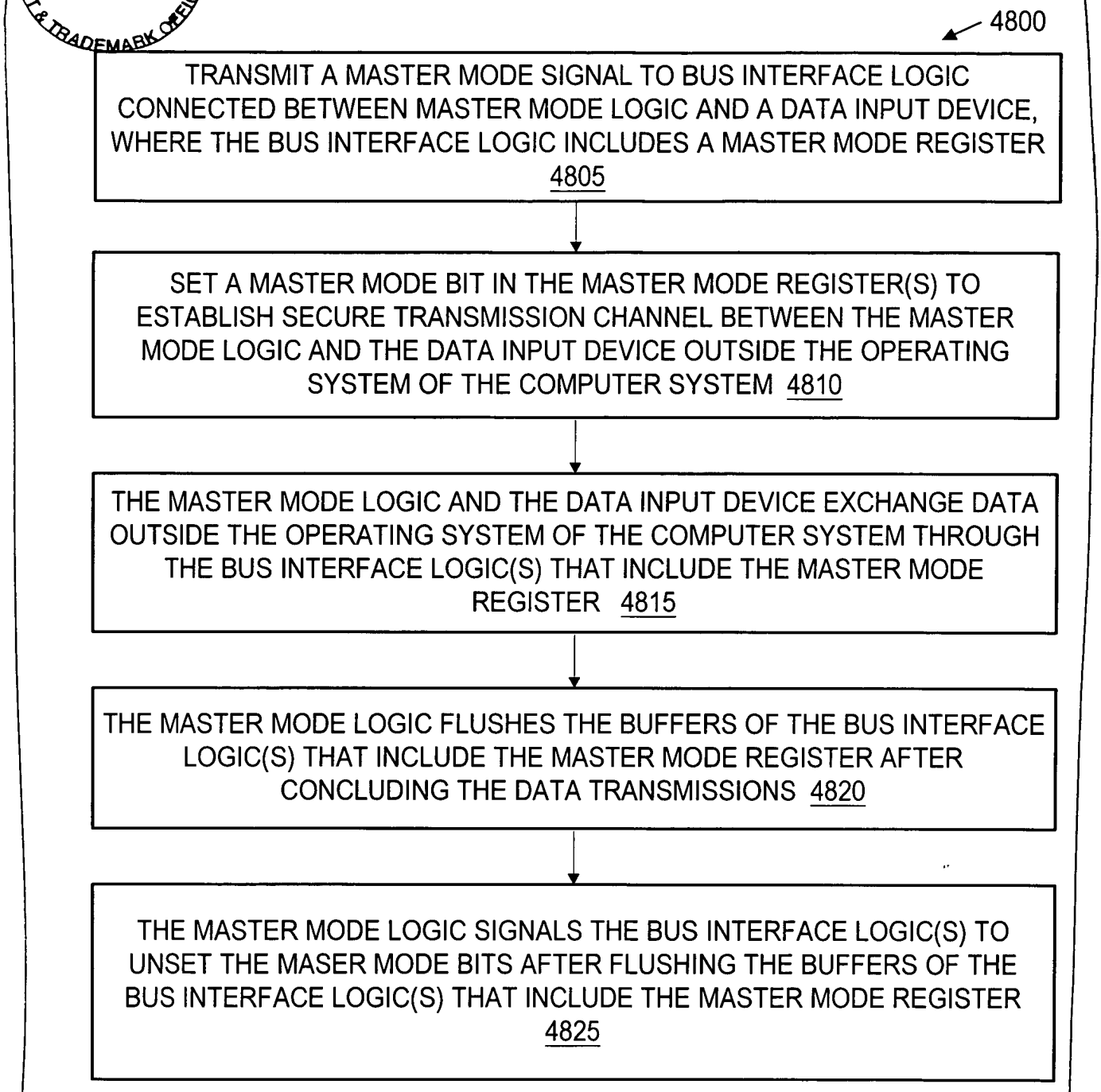

Fig. 37

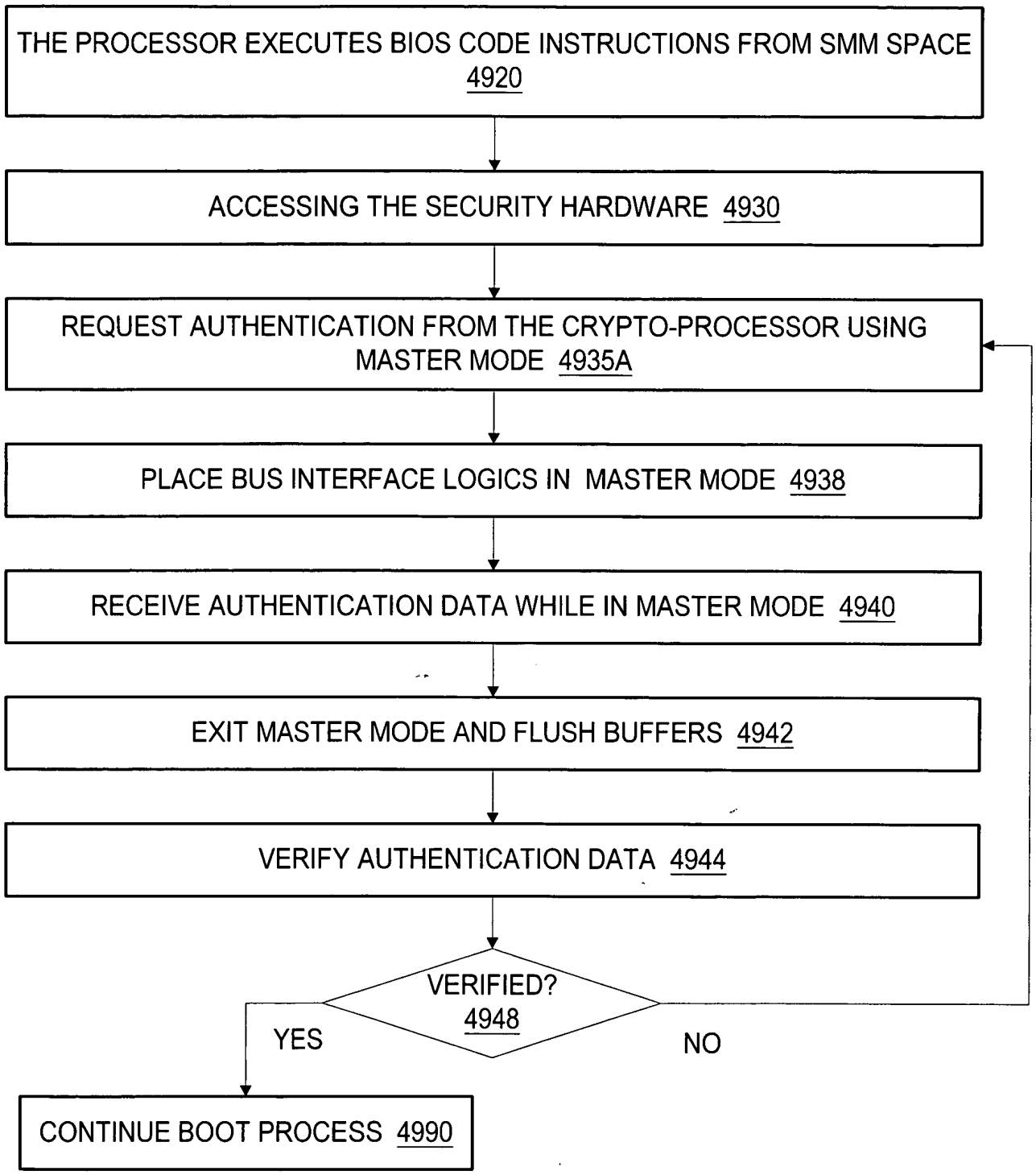

Fig. 38A

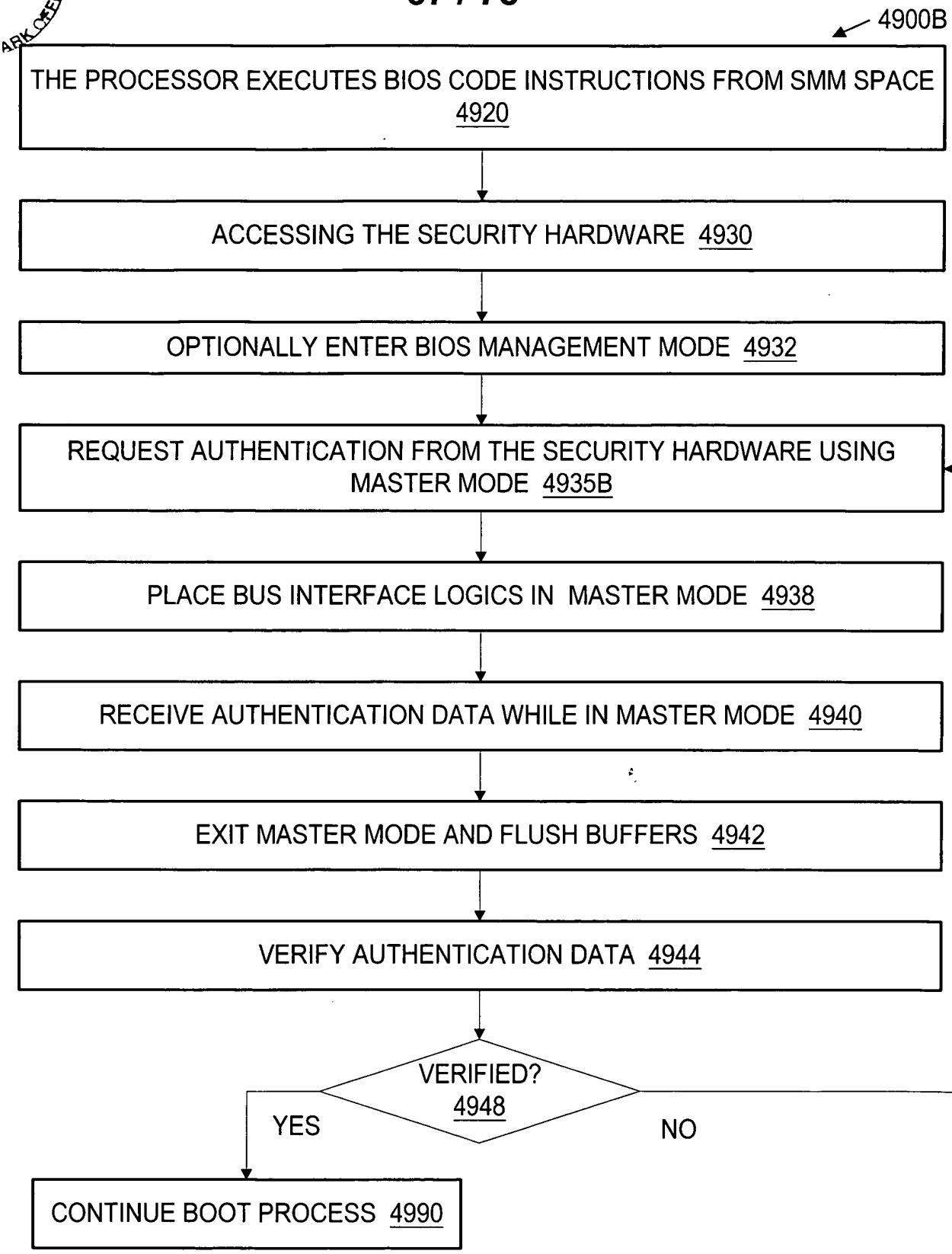

Fig. 38B

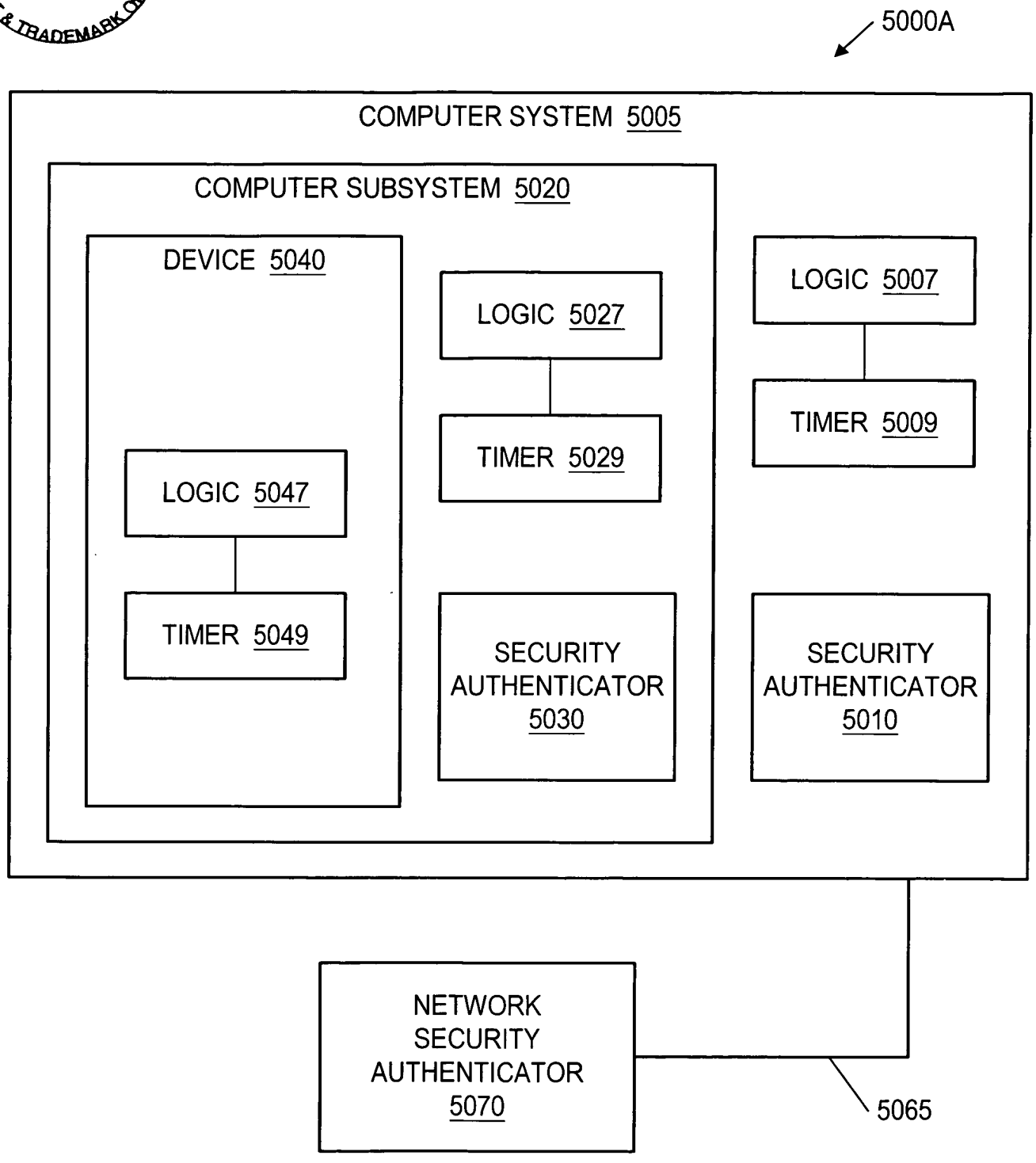

Fig. 39A

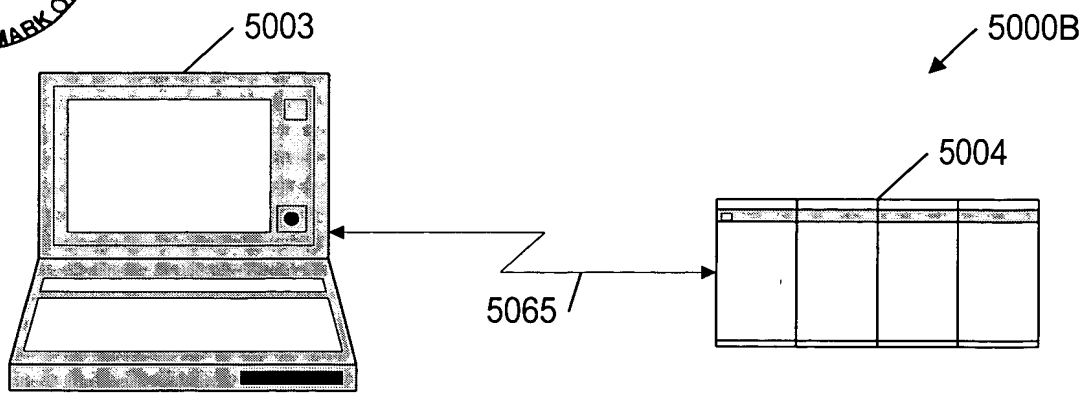

Fig. 39B

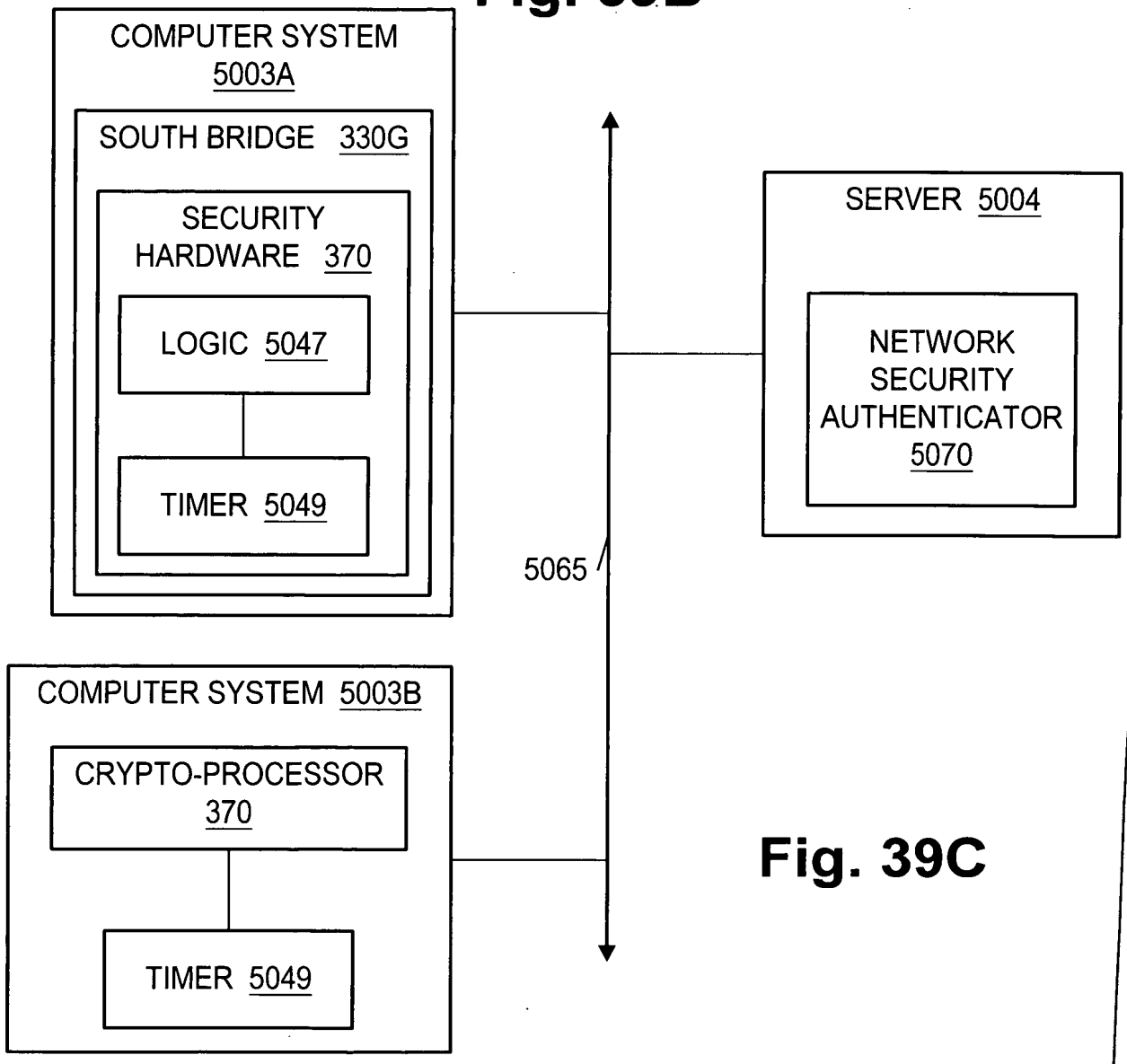

Fig. 39C

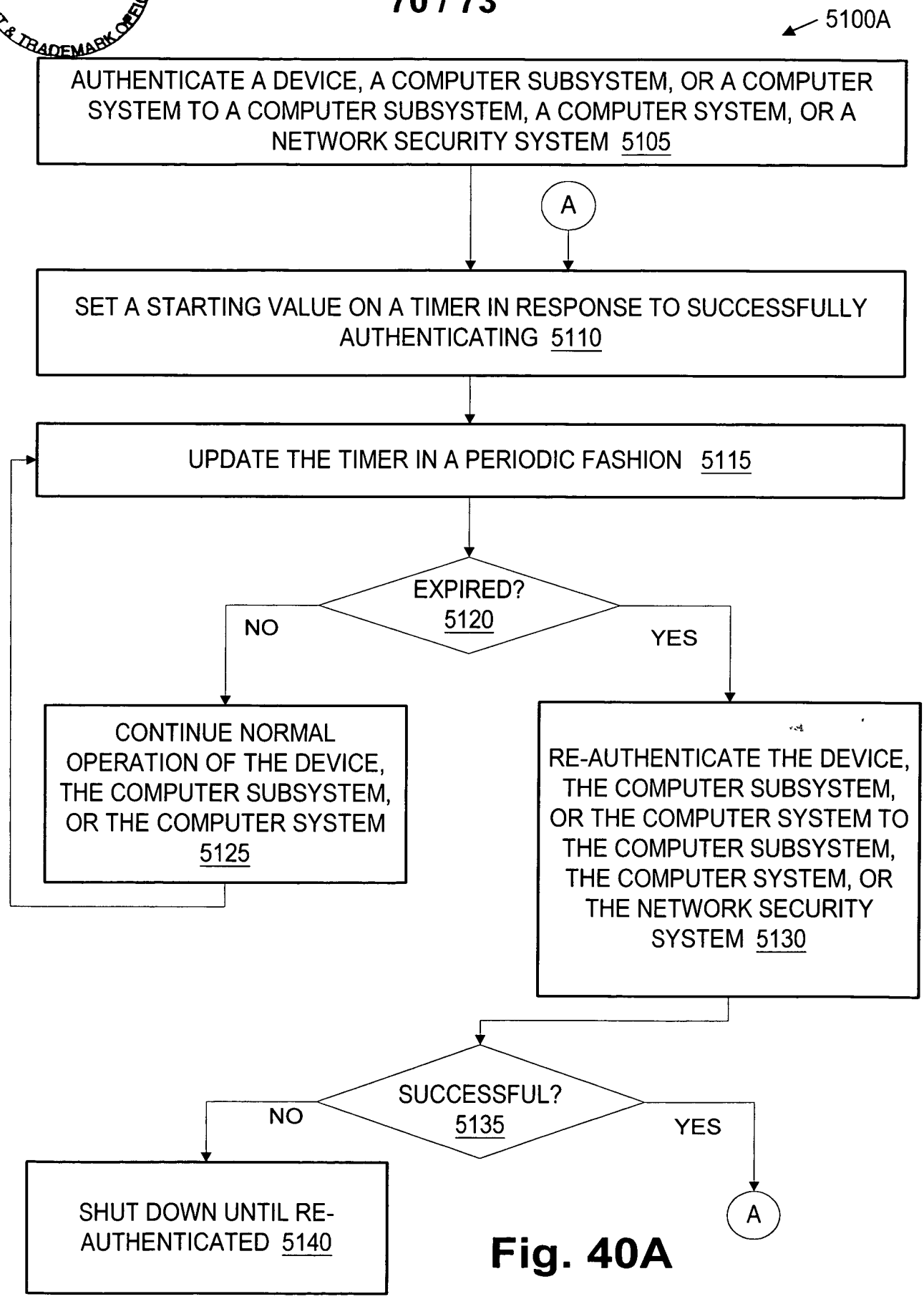

Fig. 40A

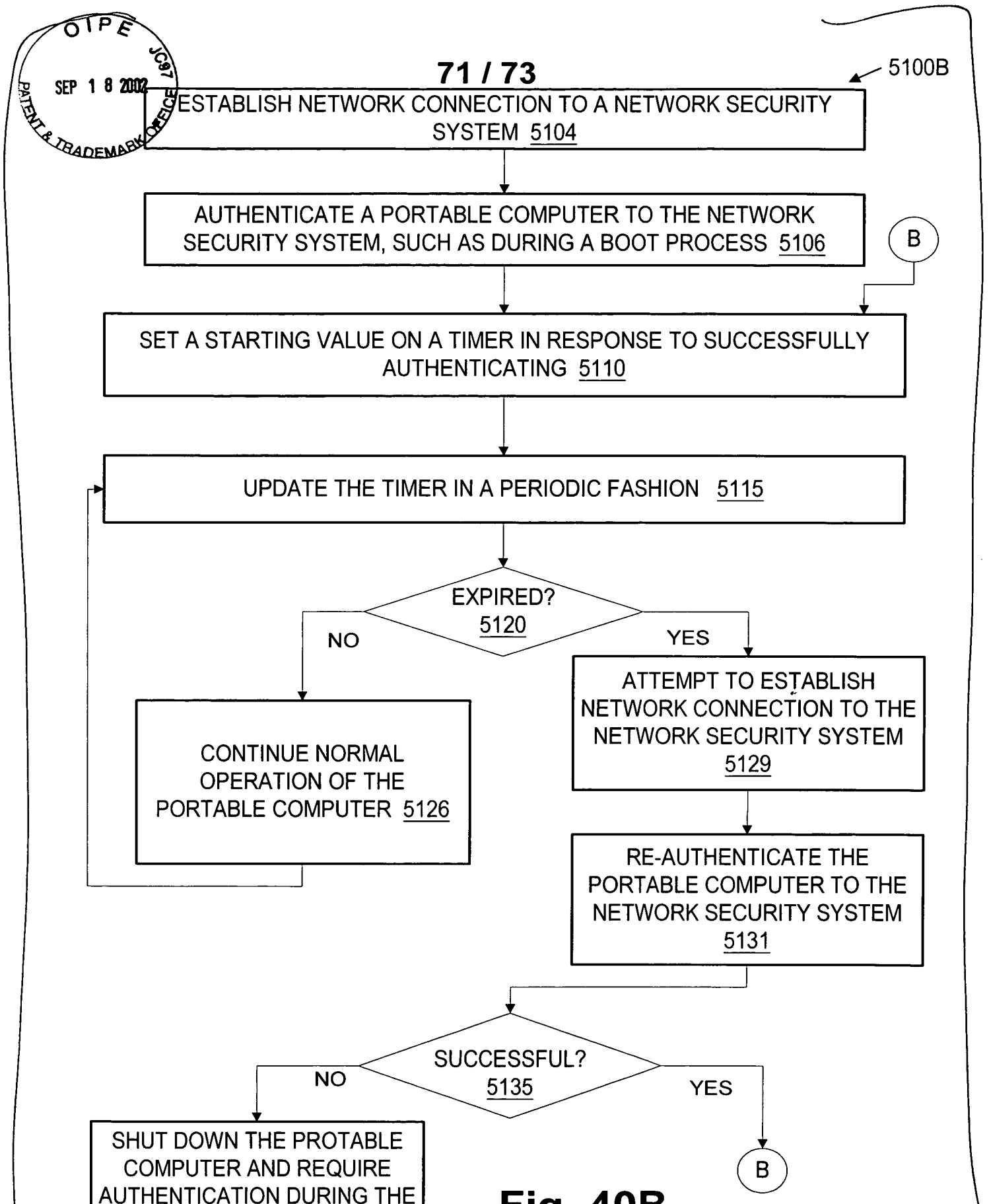

Fig. 40B

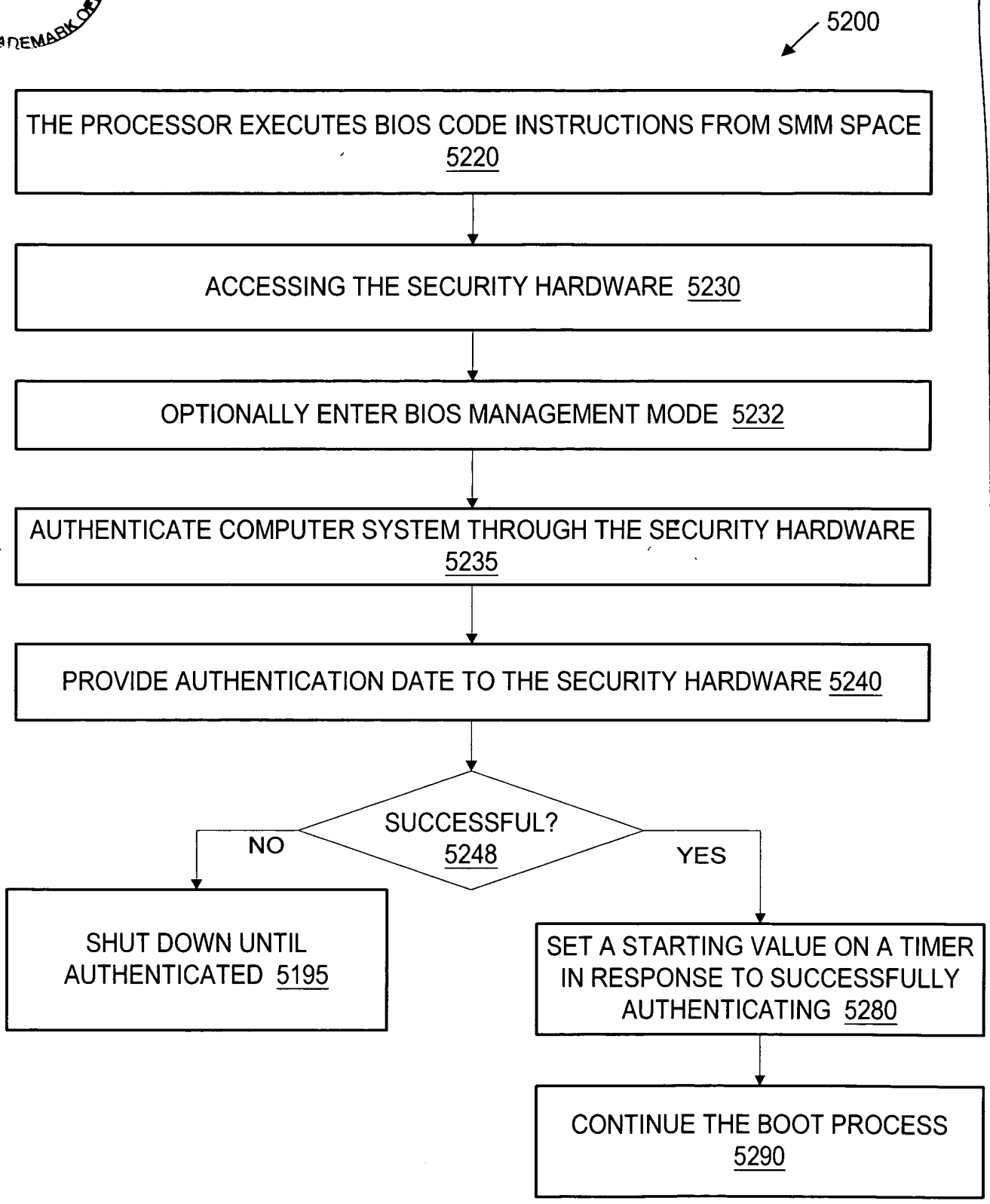

Fig. 41

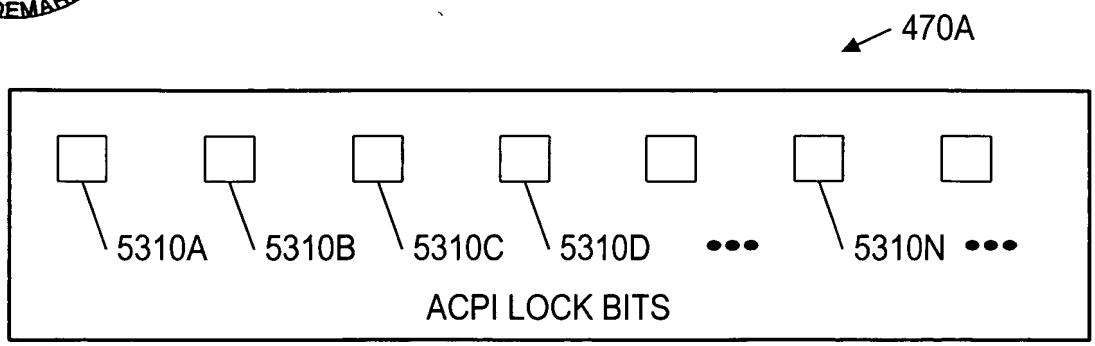

Fig. 42A

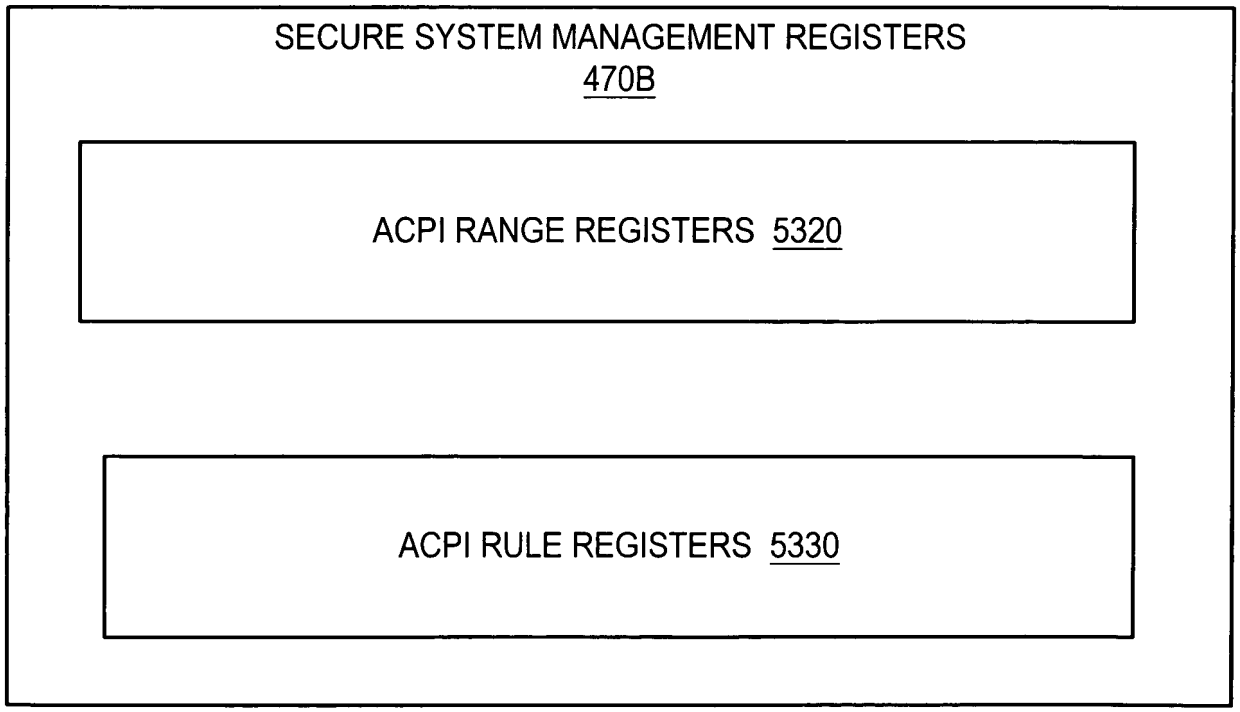

Fig. 42B